

<400> 2
ccaagagttc tccactgtga agactgaaag gacctggtga catttcggca tcagtcctgt 60

```

taccacttgg aggtaacaga agcaggctcg tgtcctcctt taattctacc acactacatg 120
actcgcaatt ggttctgaaa ttagaacgtt caccatcgta cttaaaatct taggggcatg 180
aagagtcagc tagaacaagg aaaaagaaag tcgcaggtag taggtaagta ggtgggcaca 240
tgaaaagcca agctgctctg tccaacacca gtgtacatgt gctttaacta aatgaactcc 300
agaggccaac agcagcagac ctgctcaatt caccttccaa atcagaacaa gaccaaaaag 360
ctcaggcttg agttgtcaac tatgcatagg ttccgccagt gctgaggggt gtgaggctct 420
agttgtgaag aagctacaag aaatcatgat gcatgtgatc tgggccgcac tggcatttgc 480
agctattcag                                     490

```

```

<210> 3
<211> 464
<212> DNA
<213> Homo sapiens

```

```

<400> 3
ggagctgtgg gctcagtcgt ggggcagatt gcaaagctca agggctgcaa agttgttgga 60
gcagtagggg ctgatgaaaa ggttgccctac cttcaaaagc ttggatttga tgtcgtcttt 120
aactacaaga cggtagagtc tttggaagaa accttgaaga aagcgtctcc tgatggttat 180
gattgttatt ttgataatgt aggtggagag ttttcaaaca ctgttatcgg ccagatgaag 240
aaatttgga ggattgccat atgtggagcc atctctacat ataacagaac cggcccactt 300
ccccaggcc cccccaga gattgttatc tatcaggagc ttccgatgga agcttttgtc 360
gtctaccgct ggcaaggaga tgcccgccaa aaagctctga aggacttgct gaaatgggtc 420
ttagagttta aatttcagct tccctacttt gtaattgact gact                                     464

```

```

<210> 4
<211> 510
<212> DNA
<213> Homo sapiens

```

```

<400> 4
ccttatcaca ctgtaagtgg tccaagccca tagggatgct ctttttggtt cctggaattt 60
ccagttggat gtgacagaga tctttcagta taggtctaag tcaagagtag cctctgggtt 120
gaggtgggct gggagattaa catcttacct ggggtccttc agataaacct gttggttttt 180
cctgtctcat acaggcccat ctttaagtttt gatgttgaat taaaactact tctacccctt 240
tagttataaa aaaggccaca aggagcattt atgtggatat ctggaagtga gatagttatt 300
ccattcccag gaaaagaaaa ataaagctaa gttacaaaac taaatctata tgcaataaag 360
ttattatata ctgctttggt taagcagagt cctctggaat ttatgtacag tacattagtt 420
ttcagctatt tatattccac aagttagacc ttaagattct ctggttttaa gacaattggt 480
aaagatactt ctaaagctct gagcagttca                                     510

```

```

<210> 5
<211> 452
<212> DNA
<213> Homo sapiens

```

```

<400> 5
acagcgctc acgcacctga gccccgagga gaaggcgctg aggaggaaac tgaaaaacag 60
agtagcagct cagactgccg gagatcgaaa gaaggctcga atgagtgagc tggaacagca 120
agtggtagat ttagaagaag agaaccaaaa acttttgcga gaaaatcagc ttttacgaga 180
gaaaactcat ggccttgtag ttgagaacca ggagttaaga cagcgcttgg ggatggatgc 240
cctggttgct gaagaggagg cggaagccaa ggtaaatcat ctcctttatt tggcgctca 300
tgtgagtact ggttccaagt gacatgaccc agcgattatg tttacagtct ggacttctga 360
tcaagagcgt tcttgaaatt ttcccttcagt tttaagacat tttcatgcag gcagagtgtt 420
cttcccctaa aggcacttga cactcatttt tt                                     452

```

<210> 6
 <211> 336
 <212> DNA
 <213> Homo sapiens

<400> 6
 tatagagtgc tgacatctga cattgagaaa ttcatgccta ttgtttatac tcccactgtg 60
 ggtctggcctt gccacaata tagtttggtg tttcggaagc caagaggtct ctttattact 120
 atccacgatac gagggcatat tgcttcagtt ctcaatgcat ggccagaaga tgtcatcaag 180
 gccattgtgg tgactgatgg agagcgtatt cttggcttgg gagaccttgg ctgtaatgga 240
 atgggcatcc ctgtgggtaa attggctcta tatacagctt gcggagggat gaatcctcaa 300
 gaatgtctgc ctgtcattct ggatgtggga accgaa 336

<210> 7
 <211> 376
 <212> DNA
 <213> Homo sapiens

<400> 7
 ctgtgggaaa cctcattggt ctgtacaaa tactagctaa accagaaagg tgattccagg 60
 aggagttagc caaacaacaa caaaaacaaa aaatgtgctg ttcaagtttt cagctttaag 120
 atatcttttg ataatgttat ttctatTTTT tatttttttt cattagaagt taccaaatta 180
 agatggtaag acctctgaga ccaaaatttt gtcccatctc taccacctca caactgctta 240
 cagaatggat catgtccccc ttatgttgag gtgaccactt aattgctttc ctgcctcctt 300
 gaaagaaaga aagaaagaag actgtgtttt tgccactgat ttagccatgt gaaactcatc 360
 tcattaccct tttctg 376

<210> 8
 <211> 406
 <212> DNA
 <213> Homo sapiens

<400> 8
 ggtagggagc aattctatta tttggcattg catggctggg ttgaattaaa acagggagtg 60
 agaacagggt agtctagaag tccaactctg aaaaggacca ctgtacattt gaacacacgg 120
 ctgtgttaaa gatgctgcta atgtcagtc ctgggtgcac taaaggatct cttattttat 180
 gtaaaacggt gggattgaca agatagatct gatactctgt taagttaccc tctgaagcta 240
 cttcttgtga aataactaat acagcatcat cctgccaaagc gaaagaggca ggcataagca 300
 aggacaaatt aaaagggggg aagagcctta tcatgatgag gagtcttgtt ttgacatctt 360
 gggaaaagct gtccatagtg tgaagtcgtc aatttctcac catggt 406

<210> 9
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 9
 actactacca agagctgcag agagacattt ctgaaatgtt tttgcagatt tataaacaag 60
 ggggttttct gggcctctcc aatattaagt tcaggccagg atctgtggtg gtacaattga 120
 ctctggcctt ccgagaagg accatcaatg tccacgacgt ggagacacag ttcaatcagt 180
 ataaaacgga agcagcctct cgatataacc tgacgatctc agacgtcagc gtgagtgatg 240
 tgccatttcc tttctctgcc cagtctgggg ctgggggtgcc aggctggggc atcgcgctgc 300
 tgggtgctggt ctgtgttctg gttgcgctgg 330

<210> 10
 <211> 449
 <212> DNA
 <213> Homo sapiens

<400> 10
 ctgacggcctt tgctgtccca gagccgccta aacgcaagaa aagtcgatgg gacagttaga 60
 ggggatgtgc taaagcgtga aatcagttgt ccttaatttt tagaaagatt ttggtaacta 120
 ggtgtctcag ggctgggttg ggggccaaag tgtaaggacc ccctgccctt agtggagagc 180
 tggagccttg agacattacc ccttcacatc aaggaatttt cggatgtttt cttgggaagc 240
 tgtttttggtc cttggaagca gtgagagctg ggaagcttct tttggctcta ggtgagttgt 300
 catgcgggta agttgaggtt atcttgggat aaagggtcct ctagggcaca aaactcactc 360
 taggtttata ttgtatgtag cttatatatt ttactaaggt gtcaccttat aagcatctat 420
 aaattgagtt ctttttctta gttgtatgg 449

<210> 11
 <211> 472
 <212> DNA
 <213> Homo sapiens

<400> 11
 cctcgatgca tgctgtctca cctctcatca gccacagtc tgacacgagg tcctcttttg 60
 tctgtggtga ggtatggatg tctgcagtct acacaacagc cctgcagaac gggcctggac 120
 aacccttggg ggataagaca gccacacatg gctcaggctg ttaggtgtcc actgtcacag 180
 tccaaagaga aaggtacggc ctccaagggg gcagcttaag ccaacatgta agacttgggc 240
 acgatgaaag gacggggggtc cagctacgaa tgtttttggg cttgatgtca agttgccagc 300
 tactggaagg caggagcagt ttcttctttt tccactctg tgctgggtac ttgggagagg 360
 cgaaataaat accagactgt ccactcctca gcctaagggt cttctcaagt cctgcacact 420
 cagcacttgc tctttaacgt ggcatatggt ccccatctt cccctggtaa tg 472

<210> 12
 <211> 371
 <212> DNA
 <213> Homo sapiens

<400> 12
 tttttttttt tttttttttt ttttggarat ttgkacacatt ttattcagwa tttctgctgc 60
 actgccagcc tagggatgca cttgattccc aagaaatgca actgtcctat tcgcaragcc 120
 gtccacaggt acctaccccc tggactgcag caactttatt accttaacta gcacaraaca 180
 gaggttgatt taaactcctt aactcactt ctcaratcaa tgaatgggca aaaaaacmcc 240
 tcatggctct gggaaggcat gctgaracct gtttttgcaa gtcctgagga atggaaraat 300
 atagctgcca ggtatcccaa gtctagggca gggaggkag tatcggcac actttcactg 360
 cattctgttg g 371

<210> 13
 <211> 493
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209,
 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221,

222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233,
234, 235, 236, 237, 238, 239
<223> n = A,T,C or G

<400> 13

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ccagtcacaac ctgctcctca ttattgtata aatgagcaga atcaatatgg cggaagccag 60
ctycaattgc caatttgggt gcctctaaag ctttactttt aggaacctct gcaggcgcat 120
aggtgccaaa tcccaggaca ggcatgaagt gaccatcatt cagcttcaca cactgatatt 180
tcgaatccat ttctgtcnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnc 240
caacctgctc ctcatatttg taaacatgtg cagaatcaat atggcggaac ccagcttcta 300
ttgctaattt tgtgaccttc aaagctttac ttctcggaac cttggttctt ccgagcgctc 360
agcaatcccg ccgagcttct ttgagacgtc ctcagggtgc ctttgacgat gcgtcctcca 420
ctttcacaca ctctagcatt ccttcactgg ggtcttcatt gcccacatt gggcagccag 480
gaatgttggg gtg 493
```

<210> 14

<211> 540

<212> DNA

<213> Homo sapiens

<400> 14

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ccagatgggc cataatatgt caccgagcag gtgaatggca tttgtatgtc agccttggtt 60
gtcttgtact ccagggtgga agtcatggta tagagctgag tcactgggtc catttccttt 120
ttaaattat gaccaccgct ccttcaaggg gatgtagcac ttttccattc ctgtaccatg 180
tgatattgcc atctggataa ctgtcttctg aaatgcagtc acccaacttt ttttagctgct 240
ctgtttcgag aaacagtgtc ttgcttaca tttcagggtt agatgggttc ttgaacacct 300
tgactattgt aggtgcctca aacacgttgt cctcagttac tagcatgcac acaaactctc 360
tttcatcact gatccttgca ttactgatag acaaagtgtg gttttctgag aggttcaatc 420
tgtctttgta ttctgggtaca tcgtcgtact gcacactttt ctttgtagag gatctgaagg 480
caataaatac tggggagcca tcgggctttt catatttcca tttgcccaca catgagattc 540
```

<210> 15

<211> 421

<212> DNA

<213> Homo sapiens

<400> 15

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taccacctc cagcctccca tgtgagcctg tccttatgta tagtgtccaa cctctgattc 60
tagcagtcaa gtgtcttccc caatcctaata gtcccctgat atgtctctag cgacttgacc 120
atctcttgtt ccttgggact ggggccagcc tcttgtctgc ccacttccct ctcatatgct 180
agatagcccc aaaggctcta tcttttagctc ccagagaact ttttggctct cagtatttcc 240
cttccccttt ccttcttatt cccacaact gggggaggga agggagaaca ggggcacctg 300
atcatcaatc tcccctgccc ctctcttgaa gcccctaga tttggatgaa gagcaggcca 360
gtgagcaggg caaagcctgc taggagcaga atgaccttga ggatcctttg ctcagaactg 420
g 421
```

<210> 16

<211> 236

<212> DNA

<213> Homo sapiens

<400> 16

```
gccgtgtgtg cttttccag tgccgaggta cctatcgctc acggccagga gcttgtcgtg 60
```

```
<210> 17
<211> 424
<212> DNA
<213> Homo sapiens
```

```
<210> 18
<211> 154
<212> DNA
<213> Homo sapiens
```

```
<210> 19
<211> 445
<212> DNA
<213> Homo sapiens
```

```
<210> 20
<211> 211
<212> DNA
<213> Homo sapiens
```

<400>	20						
gggtgccact	gcctgcttga	aagcactttc	tgaacctaca	gaagttgggt	attgtctgaa	60	
atcccagagg	acccataagt	gccggtgaca	agctgtctgt	caggggagag	gctccagaac	120	
ctggggttcgt	ccccagtgag	accggaggat	gatecccca	ggactgcgca	gcacagctc	180	
ttqgtgqccc	ctctgccttct	cttctgtttg	g			211	

<400>	21						
tgccctgta	ttggattgcc	acacggctca	cattgcatgc	aagtttgctg	agctgaagga	60	
aaagattgat	cgccgttctg	gtaaaaagct	ggaagatgpc	cctaaattct	tgaagtctgg	120	
tgatgctgcc	attgttgata	tggttcctg	caagcccattg	tgtgttgaga	gcttctcaga	180	
ctatccacct	ttgggtcgct	ttgctgttcg	tgatatgaga	cagacagttg	cggtggtgtg	240	
catcaaagca	gtggacaaga	aggctgctgg	agctggcaag	gtcaccagtg	ctgccagaa	300	
agctcagaag	gctaaatgaa	tattatccct	aatacctgcc	acccactct	taatcagtg	360	
tgaagaacg	gtctcagaac	tgtttgtttc	aattgg			396	

<400> 22							
ggaaccatgt	ggccggcgcc	cttgatcgtg	agaaaggcga	tgtgggagaa	ctccttcacg	60	
aagccggcaa	tctgtcccc	gctgtccccg	tacttcacta	accagggccg	gcgctgcacc	120	
tccattcttct	ggttgaggga	atccacaaa	cactcatccc	ccatgaaatt	gcaggccatg	180	
tctacatctc	cattatataa	taggatctgg	gatttctgtg	agctaagcag	cttcagatac	240	
tgggaattca	tgcttcggtg	gagacggcgg	tactgta			277	

<400>	23						
tctgaccatc	catatccaat	gttctcattt	aaacattacc	cagcatcatt	gtttataatc	60	
agaaactctg	gtccttctgt	ctggtggcac	ttagagtcct	ttgtgccata	atgcagcagt	120	
atggagggag	gattttatgg	agaaatgggg	atagtccttc	tgaccacaaa	taaataaagg	180	
aaaactaagc	tgcattgtgg	gttttgaaaa	ggttattata	cttcttaaca	attctttttt	240	
tcagggaactt	ttctagctgt	atgactgtta	cttgaccttc	tttgaaaagc	attcccaaaa	300	
tgctctattt	tagatagatt	aacattaacc	aacataaatt	tttttagatc	gagtcagcat	360	
aaattttctaa	gtcagcctct	agtcgtgggt	catctctttc	acctgcattt	tatttggtgt	420	
ttgtctgaag	aaaggaaaag	ggaaaagcaa	tacgaattgt	actatttgta	ccaaatcttt	480	
gggatttcatt	ggcaaatat	ttcagtgctg	tgtattatta	aatagaaaaa	aaaaattttg	540	
tttcttaggt	tgaaggtcta	attgatacgt	ttgacttatg	atgaccattt	atgcactttc	600	
aaatgaattt	gctttcaaaa	taaatgaaga	gcag			634	

```
<400> 24
gcaaaacaag cctaagcaag cacaacgaag agcagaagtc agtgaaatta aaaagaggaa 60
aaagaaaaat cataaaaatc ataaaaagtt atttctttga aaagatcaat gaaatttagc 120
aagactgaca cagataaaaa ggaattagac ccaaatcagt gaacaggaat gaaatagagg 180
```

```
<210> 25
<211> 461
<212> DNA
<213> Homo sapiens
```

```
<210> 26
<211> 317
<212> DNA
<213> Homo sapiens
```

```
<210> 27
<211> 250
<212> DNA
<213> Homo sapiens
```

```
<210> 28
<211> 532
<212> DNA
<213> Homo sapiens
```

<400> 28
cctatatcat tcatttatac agaagctgct tgctgcttag caagttggtg ggtttgattt 60

```

tccttggttg ctttgcagac ctcccttgag aggattcctt ctggatggag atttctttgt 120
tgctgtctcc cttgccacaa ctctgaccaa gattgcattg cgctatgtag ctttggttca 180
ggagaagaaa aagcaaaatt cttttgttgc tgaggctatg ttgctcatgg ctactatcct 240
gcatttgga aaatcctctc ttctaagaa gccaattact gatgatgatg tggatcgaat 300
ttccctgtgc ctcaaggtct tgtctgaatg ttcaccttta atgaatgaca ttttcaataa 360
ggaatgcaga cagtcccttt ctcacatggt atctgctaaa ctagaagaag agaaattatc 420
ccaaaagaaa gaatctgaaa agaggaatgt gacagtacag cctgatgacc ccatttcctt 480
catgcaacta actgctaaga atgaaatgaa ctgcaaggaa gatcagtttc ag 532

```

```

<210> 29
<211> 486
<212> DNA
<213> Homo sapiens

```

```

<400> 29
ctgttttttg acttaattaa cywttgcaag tggaaaccaa gaaataattg tagcataact 60
ctctctattg tcatgttgct tctttctgca aatataatctt acaagttaga ctttaaact 120
ttgatctccc acacaaaag agaaaataat atttatatgg aagtaatttt attttagtgt 180
ttgtgattta ttgtggagag caggbgttta aaaatttttag aatttctttt taacaaaatc 240
aaatacattg ttaagtaac aaagaataat tcactatttc agcatttcaa agcaacatat 300
tctacaactt caaagatatt tgcaaaaata atacaactgt tgaagttcaa atgttatgga 360
aagaacattt agaagtatga aaagtgttac aaaaacatgt ttctttttat tctcttggt 420
atatatctat atatttagga aaatacatat atgtatgtgt atgtatatat atgtatgaaa 480
atatac 486

```

```

<210> 30
<211> 240
<212> DNA
<213> Homo sapiens

```

```

<400> 30
aagacctgag gaaggaaaac aaattggctt cctgctgaag aakcaaaata gacatttttt 60
aatgtctctt gacccagtt ccaagttcac cctgttgctt gttcttctc ccacctttt 120
gggttctata actgcatccc ccacacatct ttcaccacca cccatacat accagctctc 180
ctgttggtggg attcaggaca taggaagagt tgctgaaggc acgggtgctt ttgggattcg 240

```

```

<210> 31
<211> 233
<212> DNA
<213> Homo sapiens

```

```

<400> 31
ccattgatgc aggatatcgg cacattgact gtgcctatgt ctatcagaat gaacatgaag 60
tgggggaagc catccaagag aagatccaag agaaggctgt gaagcgggag gacctgttca 120
tcgtcagcaa gttgtggccc actttctttg agagaccctt tgtgaggaaa gcctttgaga 180
agaccctcaa ggacctgaag ctgagctatc tggacgtcta tcttattcac tgg 233

```

```

<210> 32
<211> 233
<212> DNA
<213> Homo sapiens

```

```

<400> 32

```

gaggaatgct ggactggagg cccctggagc cagatggcaa gagggtgaca gcttcctttc 60
 ctgtgtgtac tctgtccagt tccttttagaa aaaatggatg cccagaggac tccaaccct 120
 ggcttggggg caagaaacag ccagcaagag ttaggggcct tagggcactg ggctgttggt 180
 ccattgaagc cgactctggc cctggccctt acttgcttct ctagctctct agg 233

<210> 33
 <211> 319
 <212> DNA
 <213> Homo sapiens

<400> 33
 ctgggcctgg atggtctagg atagccttac tcacttgctt ggaggtgac aggctgttgg 60
 ctggaattgc ttggttctcc tccatgtggc ctctccagta ggctagctca ggcttattca 120
 catgatggct tcaggattcc aaagagagtg agagtagaag ctgaaagact tcttgagttc 180
 ttggcctgga actgggacta ggacagtgtc acttctgcta agttcttttg gtcagagcaa 240
 atcacaaggc tttaccaga ttcaagggat gagaaacaga ctacatgtct tgatgagggg 300
 aaccacaaag agcttgtgg 319

<210> 34
 <211> 340
 <212> DNA
 <213> Homo sapiens

<400> 34
 tacagattta attcatgtta ttaactccct gccttttacc tcctccctcc tcccttggca 60
 caactgccag atggatgtgg ctggaagtca gaggacattc tcgtgggttc gtgggcctag 120
 ggtacaaatg acctcagcgt gacagcaaac aggacagaga agaccaggct cttactcagg 180
 aatccaccag ccaggagaat gacaatgttg aacaccggaa ccctgatgat atctgtcaca 240
 tttgtaaggt tgatttcaga gtcaggagtg gagacatcgg cagttgactt ggggtggagct 300
 tgggtcacag ttctggggct ggtatagagt gggcacaagg 340

<210> 35
 <211> 170
 <212> DNA
 <213> Homo sapiens

<400> 35
 acatgggtcc ttcactcctc gctgagatgt tgccggcagcc ttttcttcca atgcggttgt 60
 ggcaggagaa tccacggatg taatgttttc acctttttcc ctgaggggtgc tttctgagga 120
 accagycctt aagaggtggg gtcttgattt cctgaccagc gcgtccggca 170

<210> 36
 <211> 475
 <212> DNA
 <213> Homo sapiens

<400> 36
 ctgttttttg acttaattaa ccattgcaag tggaaaccaa gaaataattg tagcataact 60
 ctctctattg kcatgttgct tctttctgca aatatatctt agaagttaga ctttaaacct 120
 ttgatctccc acacaaaag agaaaataat atttatatgg aagtaatttt attttagtgt 180
 ttgtgattta ttgtggagag caggtgttta aaaattttag aatttcttta acaaaattct 240
 aaagagaaaa taaaaagaa atcacagtat ttacagagat aacagaatgg cttagccatg 300
 caaaacaaat aacttttggtt tttccctttt tacttttggtt taaatgttga ccaagattca 360
 attttttttc ctgccaaata aaacttcaat aaaagttagg aggcaaaata acgtattttc 420

tttttttccc ataatatattt atacagcatc gagtctaaga atattttatg cattt 475

<210> 37
<211> 246
<212> DNA
<213> Homo sapiens

<400> 37
ccttgagctt gggccgggca ctgaggcgcc ccacatatgc tgagagcagg gggaacgcat 60
ccaggcagcc aggggctagg acctcatgga tcagcagcaa gtccagcagg ttgtagtcag 120
cgaaggagat ctgggtctccc acaatgaagg tcttgccctcc ctgggttctgg gacagcaggg 180
tctcaaaagg cttcagttgc ccgggcagtg ccttcacata gtcacacctg cccacctcat 240
agttgg 246

<210> 38
<211> 512
<212> DNA
<213> Homo sapiens

<400> 38
gctggaagtg aaatgcagat cagacccatt gtgatgtcac agaaagatgg ggacaggcca 60
aagaaaaaag tgactttcaa ctcttcttcc atcattttta tcatcaccag tgatgaatca 120
ctgtcagttg acgacagcga caaaaccaat ggggtccaaag ttgatgtaat ccaagttcgt 180
cctttgtagg aatgaagaat ggcaacgaaa gatggggcct taaattggat gccacttttg 240
gactttcatc ataagaagtg tctggaatac ccgttctatg taatatcaac agaaccttgt 300
gggtccagcag gaaatccgaa ttgcccatac gctcttgggc ctcaggaaga ggttgaacaa 360
aaacaaattc ttttaattca acgggtgctt tacataatga aaaaaccact tgtggcacac 420
gatgggcac ctaacatcatc atcttctaata gtgttgagaga ttttcatttc aaatatattt 480
tttaaattac tctattttcc aaaacacgta at 512

<210> 39
<211> 370
<212> DNA
<213> Homo sapiens

<400> 39
ttttatgaac aagatataag gatcaaaaaa aagggtgttg atatgttttt ccaagcagag 60
atgtactcga ctctgtccta ttttagccttc ccatacctga cttctaata cttttcctgg 120
tgccctycca tctccctaac cccccctcac agggatgcct cctcccaagg ctccagaaac 180
tctgaccctc gcaactgctg agggagccca tgaattgctg gtcaaatatcg ctcatcctct 240
akactccatc ctgctgtgtc ttcttcctac aagagctaga gaggcactga ctgataaata 300
cctgtcacct gcccctttcc cagaggggtga aactccaccc actcccactg cagaaatgaa 360
tcttaaattg 370

<210> 40
<211> 204
<212> DNA
<213> Homo sapiens

<400> 40
cctgagggtt ttccctttaa attttcattg agttgtccat ctccagcata tagggcttca 60
ggagcagagc agaccttggt tttagtgggt ccatgggata aaatgggatt ggaggagcta 120
gaagaattca ggggtctggtc caatctgccg gtcttcctga aatatcgaaa atacaccagg 180
gctgctatat cagagccacc ctgg 204

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<400> 44
ctaacacatt tactctccac tattcgtact ctggtagcca tgtaacccc atcagagatt 60
ccttctcaag ccatgtctca gagctgagag gcatcccagc aagttttgca gctcacagtt 120
ttttccgtaa attacttatt ctataaaatt ggagtaggcc ataaactttg gagggcccta 180
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gaccaattttt ttggattatt tttcgtcttc tatcattccg ctgatcttag atattctctg 240
 cattaatat taaatatcac ttctaggctg aaaaatcccc ctaaaaatat ttctagctca 300
 gatttttcct ccaaattctg caatagaaga tcacaatgtg aactctgcat ctccatgtta 360
 aagtctaattg gacattcaca cttagcatgt ctcaaagaaa tctcatgtaa accatgg 417

<210> 45
 <211> 494
 <212> DNA
 <213> Homo sapiens

<400> 45
 cgcggtgctg tggatgtgt acacgtgcat gttctgcatg tctgtaggtc acacatgctt 60
 tgggtgcatg acacgtgtgt gtgtgtatgc gtgtaggagc tcacacttgt gtacacgttt 120
 gtgtgcatgc atgtgtgcag gagcttgacg gtttgtggtg ggtacatgta catatgtgag 180
 tgatcctgtg tgcaagcccc catgtggaca tggctatgag tgagcgtgga gccaaaagcc 240
 aggtaacacg catgcagcag gccactgtg cgtgtctgag acggtctgtg gcagggactg 300
 ggtgtgaatc atgcagcagg cccactgtgc gtgtctgaga cgggtctgtg cagggactgg 360
 gtgtgaatca gtgaccgtgt ctctgaccaa catgctgaat tacaaattga taatttatta 420
 acctgtgcag caacaaataa gatttttcaa aactcacaa agtgcctcaa gttgacatta 480
 cttgcttcaa agtt 494

<210> 46
 <211> 516
 <212> DNA
 <213> Homo sapiens

<400> 46
 ccagtccaac ctgctcctca ttattgtata aatgagcaga atctatatgg cggaacccag 60
 cttctattgc taattttgtg acctccaaag ctttacttct cggaacctcc tcctttggcc 120
 gttactttgat cattcaactc tttgtcagtg gcaactcccg ctatttttgt gtgttggttt 180
 gttactacac agtgagcaca aacatgggtg tccaatacag aggcctctcc tgtcagggtg 240
 caaccagaaa gttcatctaa cactgtgata tttgcacctc tcttgaacag ttgttggtctg 300
 aagattcatt tgatgaatcg atttttcaaa agagatgatt cttgggttctt ccgagcgctc 360
 agctctcccg ccgagcttct ttgagacgtc ctcagggtgc ctttgacgat gcgtcctcca 420
 ctttcacaca ctctagcatt ccttcactgg ggtcttcatt gccccacatt gggcagccag 480
 gaatgttggg gtgatcagac acaacaccag gtcag 516

<210> 47
 <211> 459
 <212> DNA
 <213> Homo sapiens

<400> 47
 ccaattcaga gtggcattct gcatttctgt ggcttccaag tcttagaacc tcaactgaca 60
 tatagcattg ggcacactcc agcagacgcc cgaattcaaa tcctggaagg atggaagaaa 120
 cgcttgga atattttggga tgagacacca ctgtattttg ctccaagcag cctctttgac 180
 cttaaacttc aggcaggatt cttaatgaaa aaagaggtag aggatgagga gaaaaacaag 240
 aaatttggcc tttctgtggg ccatcacttg ggcaagtcca tcccaactga caaccagatc 300
 aaagctagaa aatgagattc cttagccttg atttccttct aacatgttat caaatctggg 360
 tatctttcca ggttccctg acttgcttta gtttttaaga tttgtgtttt tctttttcca 420
 caaggaataa atgagagggg atcgaksaaa aaaaaaaaaa 459

<210> 48
 <211> 430

<212> DNA
<213> Homo sapiens

<400> 48
cctatatattca gccacagcct ctgggagtggt tgctgataat cggagcttgg aattaccct 60
tcgtttctcac cattcagcca ctgataggag ccatcgctgc aggaaatgct gtgattataa 120
agcctttctga actgagtga aatacagcca agatcttggc aaagcttctc cctcagtatt 180
tagaccagga tctctatatt gttattaatg gtggtgttga ggaaaccacg gagctcctga 240
agcagcgatt tgaccacatt ttctatacgg gaaacactgc gggttgcaaa attgtcatgg 300
aagctgctgc caagcatctg acccctgtga ctcttgaact gggagggaaa agtccatgtt 360
atattgataa agattgtgac ctggacattg tttgcagacg cataacctgg ggaaaataca 420
tgaattgtgg 430

<210> 49
<211> 288
<212> DNA
<213> Homo sapiens

<400> 49
ccatccgaag caagattkca gatggcagtg tgaagagaga agacatattc tacacttcaa 60
agctttggwg caattcccat cgaccagagt tgggccgacc agccttggaa aggtcactga 120
aaaaatcttca attggattat gttgacctct accttattca ttttccagtg tctgtaaaagc 180
caggtgagga agtgatccca aaagatgaaa atggaaaaat actatttgac acagtggatc 240
tctgtgccac gtgggaggcc rtggagaagt gtaaagatgc aggattgg 288

<210> 50
<211> 411
<212> DNA
<213> Homo sapiens

<400> 50
ccagagaatg acattcatgt ccccggtggat cccttgcaga gagtacatgg agccactgcc 60
accagtgggtg atggaaaagca ctgtcttctt actccggaag ggtcctttgt catacatggc 120
agcgtaagtg taagcaaact ctccatgaa cactcgctca aaccagcctt tcagaatggc 180
agggactcca aaccactgca gggggaactg gaatatcaca aggtctgcgg cttccagctt 240
cttttgttca gccacaatat ctgggctcag atggccttct ttataagcca gaacagactc 300
ggcaggatac tgaaagtctg cagggtcctt cagtttaact gtgatgtcct ttctggaaat 360
gatgggattg aagttcatgg catagaggtc cgactccacc acctcccatc c 411

<210> 51
<211> 503
<212> DNA
<213> Homo sapiens

<400> 51
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ttgtgcaccc tccacaaaac atacaaagtt taaaagtttg gatctttttc tcagcaggta 120
tcagttgttaa ataatgaatt aggggccaaa atgcaaaaacg aaaaatgaag cagctacatg 180
tagttagttaa tttctagttt gaactgtaat tgaatattgt ggcttcatat gtattatttt 240
atattgtact tttttcatta ttgatggttt ggactttaat aagagaaatt ccatagtttt 300
taatatacca gaagtgaagc aatttgaaca gtgtattcta gaaaacaata cactaactga 360
acagaagtga atgcttatat atattatgat agccttaaac ctttttcctc taatgcctta 420
actgtcaaat aattataacc ttttaaagca taggactata gtcagcatgc tagactgaga 480
ggtaaact gatgcaatta aga 503

100754106601

<400> 55

taaagctcta gaggccgtca aattggcaat agaagccggg ttccaccata ttgattctgc 420
 acatgttttac aataatgagg agcaggttgg actgg 455

<210> 59
 <211> 398
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 264, 266
 <223> n = A,T,C or G

<400> 59
 ctcagaggca gcgtgcgggt gtgctctttg tgaaattcca ccatggcgta ccgtggccag 60
 ggtcagaaaag tgcagaaggt tatggtgcag cccatcaacc tcatcttcag atacttacia 120
 aatagatcgc ggattcaggt gtggctctat gagcaagtga atatgcggat agaaggctgt 180
 atcattgggtt ttgatgagta tatgaacctt gtattagatg atgcagaaga gattcattct 240
 aaaacaaagt caagaaaaca actngntcgg atcatgctaa aaggagataa tattactctg 300
 ctacaaagtg tctccaacta gaaatgatca atgaagtgag aaattgttga gaaggatata 360
 gtttgttttt agatgtcctt tgtccaatgt gaacattt 398

<210> 60
 <211> 532
 <212> DNA
 <213> Homo sapiens

<400> 60
 gacttctgag acctggggca cccgggcctt tgcggcagct actggcaggg cctggccacc 60
 tcataggact cagttccctt ctgaacactc gggggacatg ggcctctaac tgcccactct 120
 gatatgcctg ggtgagccta ggagggaagg ctctgatttg gatttctcca gtcaaagctc 180
 acagaaaaaa acctggcact ttgattttca tgggatggtc ctaacagggt cagtcacctc 240
 cgagcagttt gggaaccag tttcttgtcc tgggccctca ggtcagcctg gctgaattag 300
 gacccttctt tggcacaggg gtgagaaaaga gcttggggaa cgcttggcat tatggagggc 360
 tggaaggggc tcaacccga tttggagaga agtttgggat ggagtgggcg agagattgag 420
 agagcgagca ggaaaagagg tcttggagcc tgggactgat ggtggataag gcctggaaaag 480
 aasatgacsa ggaggaggag agagggaagt ggggtggatga ggagcaggct ga 532

<210> 61
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 61
 ggcagcggcg cgtctctttt gactaaaaga cagtgtccag tgctccagcc taggagtcta 60
 cggggaccgc ctcccgcgcc gccaccatgc ccaacttctc tggcaactgg aaaatcatcc 120
 gatcgggaaa cttcgaggaa ttgctcaaag tgctgggggt gaatgtgatg ctgaggaaga 180
 ttgctgtggc tgcagcgtcc aagccagcag tggagatcaa acaggaggga gacactttct 240
 acatcaaaac ctccaccacc gtgcgaccca cagagattaa cttcaagggt ggggaggagt 300
 ttgaggagca gactgtggat gggaggccct gtaagagcct ggtgaaatgg gagagtgaga 360
 ataaaatggt ctgtgagcag aagctcctga agggagaggg cccaagacc tcgtggacca 420
 gagaactgac caacgatggg gaactgatcc tgaccatgac ggcgga 466

<210> 62

1001754-100901

<400> 64						
cacctmctcc	cscwggcgc	ttwtctsgac	gccttgccca	scgggcccgc	cgaccccttg	60
srccatggac	cccgtcgcc	csctggggmt	gtygatktg	ctgcttttcc	tgrckgaggc	12
tgcactgggc	gatgctgac	argagccaac	aggaaataac	rcggagatct	gkctcctgcc	180
cctagactac	kgaccctgcc	kggccctact	tytccgytac	tactacgaca	ggyacacgca	240
gagctgccgc	cwgttctctgk	rckggggctg	crasggcaac	rccaacwatt	yctacacckg	300
kgaggmttrc	gackatcgctw	gstggargat	agaaaaagtt	cccaaasttt	gccggctgma	360
agtgaatgag	gacnaccag	gtgaggggta	cacagataag	tatttcttta	atctaakkwc	420
catgacatgw	gaaaaattct	gtnnccggtg	gngtcaccgg	accggattga	gaacangttt	480
qcagatgang	ctactgggat	gggctcctgc	rcacnaaaga	aantatca		528

<210> 65
 <211> 547
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 408
 <223> n = A,T,C or G

<400> 65
 kgaatgaasa acgaacgctg gaagtagaaa tagagcctgg ggtgagagac ggcattggagt 60
 acccctttat tggagaaggt gagcctcacg tggatgggga gcctggagat ttacgggtcc 120
 gaatcaaagt tgtcaagcac ccaatatattg aaaggagagg agatgatttg tacacaaatg 180
 tgacagtctc attagttgag tcactgggtg gctttgagat ggatattact cacttggatg 240
 gtcacaaggt acatatattcc cgggataaga tcaccaggcc aggagcgaag ctatggaaga 300
 aaggggaagg gctccccaac ttgacaaca acaatatcaa gggctctttg ataatcactt 360
 ttgatgtgga ttttccaaaa gaacagttaa cagagggaagc gagagaangt atcaaacagc 420
 tactgaaaca aggggtcagt cagaagggtat acaatggact gcaaggatat tgagagtga 480
 taaaattgga ctttggtttaa aataaagtga ataagcgata tttattatct gcaagggttt 540
 ttttgtg 547

<210> 66
 <211> 535
 <212> DNA
 <213> Homo sapiens

<400> 66
 ggggaggtct acgcttctag agcttgagcc agcggggcga ccctgcagtg gcaggactcg 60
 gcaccgcgcc ctccaccgcc ggttggtggc ctgcgtgaca gtttcctccc gtcgacatcg 120
 aaaggaagcc ggacgtgggc gggcagagag cttcatcgca gtaggaatgg cagccccatc 180
 tatgaaggaa agacaggtct gctggggggc ccgggatgag tactggaagt gtttagatga 240
 gaacttagag gatgcttctc aatgcaagaa gttaagaagc tctttcgaat caagttgtcc 300
 ccaacagtgg ataaaaatatt ttgataaaaag aagagactac ttaaaattca aagaaaaatt 360
 tgaagcagga caatttgagc cttcagaaac aactgcaaaa tcctaggctg ttcataaaga 420
 ttgaaagtat tctttctgga cattgaaaaa gctccactga ctatggaaca gtaatagttt 480
 gaatcatagt gaacatcaat acttggtccc tatatacgac acttgataat taaga 535

<210> 67
 <211> 527
 <212> DNA
 <213> Homo sapiens

<400> 67
 atttctgcca cttaattcaa acagtcatat gcaggtcgct taatttattt gtgcttttgt 60
 ttcattctct acaaggccct cttagctcta aaacttgaca gtggaataag gaaatgtttt 120
 tccaaatctg cattgccggt gagatcctca acatcagcat gttgagatgg acctcaaccc 180
 cacctctaac cctgaaacac actactcgat attatcttag gtatgtttta gggtttagtt 240
 tgtaaaataa taatttattt ttgaaggaaa tataaaatat taaagagtaa taatagctat 300
 cattttttta gattcaatct aaaacaatgg actctttttt tttccatttg tgatgtagat 360
 aagcaagaca attttgatca tgagtgggtg aaagaggatc aaacttgact attcctgcaa 420
 tggcagtcga gcaacaagcc tttcatttac attaaattat aacttttcat tcattcctaa 480
 accaaactta aaattctgct ttcctttgag tagaagggtat ttaactt 527

<210> 68
 <211> 431
 <212> DNA
 <213> Homo sapiens

<400> 68
 gggaaacttc atgggtttcc tcactctgtca tgtcgatgat tatatatgga tacatttaca 60
 aaaataaaaa gcgggaattt tcccttcgct tgaatattat ccctgtatat tgcattgaatg 120
 agagatttcc catatttcca tcagagtaat aaatatactt gctttaattc ttaagcataa 180
 gtaaaccatga tataaaaaata tatgctgaat tacttgtgaa gaatgcattt aaagctattt 240
 taaatgtgtt tttatttgta agacattact tattaagaaa ttggttatta tgcttactgt 300
 tctaactctgg tggtaaagggt attcttaaga atttgcagggt actacagatt ttcaaaactg 360
 aatgagagaa aattgtataa ccacctctgct gwtcccttag tgcaatacaa taaaactctg 420
 aaattaaaaac t 431

<210> 69
 <211> 399
 <212> DNA
 <213> Homo sapiens

<400> 69
 gacacggcgg acacacacaa acacagaacc acacagccag tcccaggagc ccagtaatgg 60
 agagccccaa aaagaagaac cagcagctga aagtcgggat cctacacctg ggcagcagac 120
 agaagaagat caggatacag ctgagatccc agtgcgcgac atggaagggt atctgcaaga 180
 gctgcatcag tcaaacaccg gggataaatc tggatttggg ttccggcgctc aagggtgaaga 240
 taatacctaa agaggaacac tgtaaaatgc cagaagcagg tgaagagcaa ccacaagttt 300
 aaatgaagac aagctgaaac aacgcaagct ggttttatat tagatatttg acttaaaacta 360
 tctcaataaaa gttttgcagc tttcaccaar aaaaaaaaa 399

<210> 70
 <211> 479
 <212> DNA
 <213> Homo sapiens

<400> 70
 cgcggcggag ctgtgagccg gcgactcggg tccctgaggt ctggattctt tctccgctac 60
 tgagacacgg cggacacaca caaacacaga accacacagc cagtcccagg agcccagtaa 120
 tggagagccc caaaaagaag aaccagcagc tgaaagtcgg gatcctacac ctgggcagca 180
 gacagaagaa gatcaggata cagctgagat cccagggtgct gggaaggga atgcgcgaca 240
 tggaagggtga tctgcaagag ctgcatcagt caaacaccgg ggataaatct ggatttgggt 300
 tccggcgctca aggtgaagat aatacctaaa gaggaacact gtaaaatgcc agaagcagggt 360
 gaagagcaac cacaagttta aatgaagaca agctgaaaca acgcaagctg gttttatatt 420
 aggatatttg acttaaaacta tctcaataaaa gttttgcagc tttcaccaa aaaaaaaaa 479

<210> 71
 <211> 437
 <212> DNA
 <213> Homo sapiens

<400> 71
 ctcagcggct gccaacagat catgagccat cagctcctct ggggccagct ataggacaac 60
 agaactctca ccaaaggacc agacacagtg rgcaccatgg gacagtgtcg gtcagccaac 120
 gcagaggatg ctcaggaatt cagtgatgtg gagagggcca ttgagaccct catcaagaac 180
 tttcaccagt actccgtgga ggggtgggaag gagacgctga ccccttctga gctacggggac 240


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ctggtcaccc agcagctgcc ccatctcatg ccgagcaact gtggcctgga agagaaaatt 300
gccaacctgg gcagctgcaa tgactctaaa ctggagttca ggagtttctg ggagctgatt 360
ggagaagcgg ccaagagtgt gaagctggag aggcctgtcc gggggcactg agaactccct 420
ctggaattct tggggggg

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<210> 72
<211> 561
<212> DNA
<213> Homo sapiens

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<400> 72
ggatgggtata ctgtaaattc agcatatgga gataccatta tcataccttg ccgacttgac 60
gtacctcaga atctcatgtt tggcaaatgg aaatatgaaa agcccgatgg ctccccagta 120
tttattgcct tcagatcctc tacaaaagaaa agtgtgcagt acgacgatgt accagaatac 180
aaagacagat tgaacctctc agaaaaactac actttgtcta tcagtaatgc aaggatcagt 240
gatgaaaaga gatttgtgtg catgctagta actgaggaca acgtgtttga ggcacctaca 300
atagtcaagg tgttcaagca accatctaaa cctgaaattg taagcaaagc actgtttctc 360
gaaacagagc agctaaaaaa gttgggtgac tgcatttcag aagacagtta tccagatggc 420
aatatcacat ggtacaggaa tggaaaagtg ctacatcccc ttgaaggagc ggtggtcata 480
atttttaaaa aggaaatgga cccagtgact cagctctata ccatgacttc caccctggag 540
tacaagacaa ccaaggctga c

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<210> 73
<211> 916
<212> DNA
<213> Homo sapiens

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```

<400> 73
ggagaaaaata aggtggagtc ctacttgttt aaaaaatatg tatctaagaa tgttctaggg 60
cactctggga acctataaag gcaggtatct cgggccctcc tcttcaggaa tcttctgaa 120
gacatggccc agtcgaaggc ccaggatggc ttttgctgcg gccccgtggg gtaggaggga 180
cagagagaca gggagagtca gctccacat tcagaggcat cacaagtaat ggcacaattc 240
ttcggatgac tgcagaaaat agtgttttgt agttcaacaa ctcaagacga agcttatttc 300
tgaggataag ctcttttaag gcaaagcttt attttcatct ctcatctttt gtcctcctta 360
gcacaatgta aaaaagaata gtaatatcag aacaggaagg aggaatggct tgctggggag 420
cccatccagg aactgggag cacatagaga ttcacccatg tttgttgaa ttagagtcac 480
tctcatgctt ttctttataa ttcacacata tatgcagaga agatatgttc ttgttaacat 540
tgtatacaac atagccccaa atatagtaag atctatacta gataatccta gatgaaatgt 600
tagagatgct atatgataca actgtggcca tgactgagga aaggagctca cgcccagaga 660
ctgggctgct ctcccggagg ccaaacccaa gaaggtctgg caaagtcagg ctccaggaga 720
ctctgccttg ctgcagacct cgggtgtggac acacgctgca tagagctctc cttgaaaaca 780
gaggggtctc aagacattct gcctacctat tagcttttct ttattttttt aacttttttg 840
ggggaaaagt atttttgaga agtttgtctt gcaatgtatt tataaatagt aaataaagtt 900
tttaccatta aaaaaa

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<210> 74
<211> 547
<212> DNA
<213> Homo sapiens

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<400> 74
agtggcatta acttttagaa tttgggctgg tgagattaat tttttttaat atcccagcta 60
gagatatggc ctttaactga cctaaagagg tgtgtgtgta tttaattttt tcccgttcct 120
ttttcttcag taaaccacac aatagtctaa ccttaaaaat tgagttgatg tccttatag 180

```

```
<210> 75
<211> 793
<212> DNA
<213> Homo sapiens
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```
<210> 76
<211> 461
<212> DNA
<213> Homo sapiens
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```
<210> 77
<211> 642
<212> DNA
<213> Homo sapiens
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<400> 77						
ggttgcacga	aacacactgg	ggaatggagc	aaaacagtct	ttgaatatcg	aacacgcaag	60
ctctgtgagac	tacctattgt	agatatggca	ccctatgaca	ttgggtggcc	tgatcaagaa	120
tgttggtgtgg	acgttggtccc	tgtttgcctt	ttataaacca	aactctatct	gaaatcccaa	180
caaaaaaaat	ttaactccat	atgtgttctt	cttgttctaa	tcttgtcaac	cagtgcagt	240

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<210> 78
<211> 519
<212> DNA
<213> Homo sapiens
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```
<210> 79
<211> 526
<212> DNA
<213> Homo sapiens
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<210> 80
<211> 281
<212> DNA
<213> Homo sapiens
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$\langle 210 \rangle$	81
$\langle 211 \rangle$	405

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 219, 230, 261, 306
<223> n = A,T,C or G

<400> 81
gtgggtggga gcgcgtgctg ttgggagttg cttggaggtt ggcggcgcgg ggctgaaggc 60
tagcaaaccg agcgatcatg tcgcacaaac aaatttacta ttcggacaaa tacgacsacg 120
aggagtttga statcgacat gtcattgctgc ccaaggacat akccaasctg gtcacctaaa 180
cccatctgat gtctgaatct gaatggagga atcttggcng ttcagmagan tcagggatgg 240
gtccattata tgatccatga nccagaacct cdcattctgc tgttccggcg scccacttac 300
cccaanaaac caamgaaatg aaccttggct actacttttc aatcctcaaa kcttttcaca 360
vhtgaccttc cttcctaaca ttcttmtga taaacattta ttaag 405

<210> 82
<211> 547
<212> DNA
<213> Homo sapiens

<400> 82
tagtttttaa gaagaaatth tttttggcct atgaaattgt taaacctgga acatgacatt 60
gttaatcata taataatgat tcttaaatgc tgtatggtt attatttaaa tgggtaaagc 120
catttacata atatagaaag atatgcatat atctagaagg tatgtggcat ttatttggat 180
aaaattctca attcagagaa atcatctgat gtttctatag tcactttgcc agctcaaaag 240
aaaacaatac cctatgtagt tgtggaagtt tatgctaata ttgtgtaact gatattaaac 300
ctaaatgttc tgccctacct gttggtataa agatattttg agcagactgt aaacaagaaa 360
aaaaaaatca tgcattctta gcaaaattgc ctagtatgtt aatttgctca aaatacaatg 420
tttgatttta tgcactttgt cgctattaac atcctttttt tcatgtagat ttcaataatt 480
gagtaatttt agaagcatta ttttaggaat atatagtkgt cacagtaaat atcttgtttt 540
ttctatg 547

<210> 83
<211> 529
<212> DNA
<213> Homo sapiens

<400> 83
ctattctaag agatgctctt agtgatcttg cattacactt tctgaataaa atgaagatca 60
tggtgattaa ggatattgaa agagaagaca ttgaattcat ttgtaagaca attggaacca 120
agccagttgc tcatattgac caatttactg ctgacatgct gggttctgct gagttagctg 180
aggaggtcaa tttaaatggt tctggcaaac tgctcaagat tacaggctgt gccagccctg 240
gaaaaacagt tacaattggt gttcgtggtt ctaacaaact ggtgattgaa gaagctgagc 300
gctccattca tgatgccta tgtgttattc gttgttttagt gaagaagagg gctcttattg 360
caggaggtgg tgctccagaa atagagttgg ccctacgatt aactgaatat tcacgaacac 420
tgagtgggat ggaatcctac tgcggtcgtg cttttgcaga tgctatggag gtcattccat 480
ctacactagc tgaaaatgcc cggcctgaat cccatttcta cagtaacag 529

<210> 84
<211> 527
<212> DNA
<213> Homo sapiens

```
<210> 85
<211> 401
<212> DNA
<213> Homo sapiens
```

```
<210> 86
<211> 547
<212> DNA
<213> Homo sapiens
```

```
<210> 87
<211> 530
<212> DNA
<213> Homo sapiens
```

<400> 87						
atggattcga	aataccagkg	tgtgaagctg	aatgatgggc	acttcatgcc	tgtcctggga	60
tttggcacct	atgcgcctgc	agaggttcct	aaaagtaaag	ctctagaggc	cgtaaattg	120
gcaatagaag	ccgggttcca	ccatattgat	tctgcacatg	tttacaataa	tgaggagcag	180
gttgactgg	ccatccgaag	caagattgca	gatggcagtg	tgaagagaga	agacatattc	240
tacattcga	agctttggag	caattcccat	gcaccagagt	tggtccgacc	agccttggaa	300

```
<210> 88
<211> 529
<212> DNA
<213> Homo sapiens
```

```
<210> 89
<211> 547
<212> DNA
<213> Homo sapiens
```

```
<210> 90
<211> 528
<212> DNA
<213> Homo sapiens
```

<400> 90						
gagcagcaga	agctgtacag	caagatgatc	gtggggaacc	acaaggacag	gagccgctcc	60
tgagcctgcc	tccagctggc	tggggccacc	gtgcggggtg	ccaacgggct	cagagctgga	120
gttgcgcgcg	ccgcccccac	tgtctgtgtc	tttccagact	ccagggctcc	ccgggctgct	180
ctggatccca	ggactccggc	tttcgccgag	ccgcagcggg	atccctgtgc	acccggcgca	240
gcctaccctt	ggtggtctaa	acggatgctg	ctgggtgttg	cgaccaggga	cgagatgcct	300
tgtttctttt	acaataagtt	gttggaggaa	tgccattaaa	gtgaactccc	cacctttgca	360
cgctgtgcgg	gctgagtgg	tggggagatg	tggccatggt	cttgtgctag	agatggcggt	420
acaagagtct	gttatgcaag	cccggtgtgc	agggatgtgc	tgggggcggc	caccgcgtct	480
ccaggaaaag	cacagctgag	gcactgtggc	tggcttcggc	ctcaacat		528

<210> 91
 <211> 547
 <212> DNA
 <213> Homo sapiens

<400> 91
 atataccatt taatacattt acacttttctt atttaagaag atattgaatg caaaataatt 60
 gacatataga actttacaaa catatgtcca aggactctaa attgagactc ttccacatgt 120
 acaatctcat catcctgaag cctataatga agaaaaagat ctagaaactg agttgtggag 180
 ctgactctaa tcaaattgtga tgattggaat taraccmttt ggscyttgra ccttymtwrg 240
 raaaawgrmc cmaccttityt taacmtgrac cwccytmatc tctagaagct gggatggact 300
 tactatyctk gttwatattt taaatackga aagggtgctat gcttctgtta ttattccaag 360
 actggagata ggcaggggcta aaaagggtatt attatttttct ctttaatgat ggtgctaaaa 420
 ttcttcctat aaaatttcctt aaaaataaag atggtttaat cactaccatt gtgaaaacat 480
 aactgttaga cttcccgttt ctgaaagaaa gagcatcggt ccaatgcttg ttcactgttc 540
 ctctgtc 547

<210> 92
 <211> 527
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 393, 502
 <223> n = A,T,C or G

<400> 92
 gctggctagt aggggaacat gtagtagcca agcccatgca ttgcagtgca cagagcaaca 60
 ttggggtaac aggatgggta cctgtcacgg cctgtgcaaa cataacatgt gtcaccacac 120
 tgaaggtatg gtggaacaag tggcctcacc aaggctcggac cccaatggac tttttgcctc 180
 ttgggagctt atgggtctat gaggacacag tagcctttcc tatcagcaaa ctggagtgga 240
 tgttgatatc ggggttgcc ttatgtacct gctactgttc tccccacatt gccagatgc 300
 ctgtataact gggaggcact gkgctctcag tttttgcgaa tgtgatgagc cccctggtgt 360
 ttctaccctt ttggcaatga ctatccctgg agncatgtgt caaaactgta aagcacaatt 420
 tactgtctct tgcggagcac accgctcatg ctctgaatta cacctgaktg tccctcctcc 480
 wgktawtgaa tgagggttgat cnvatcagaa adgtggkggt ggcmata 527

<210> 93
 <211> 531
 <212> DNA
 <213> Homo sapiens

<400> 93
 ggtattcata cagccttcct aaaggcaatg ctttccacag gatttaagat accccagaaa 60
 ggcatcctga taggcatcca gcaatcattc cggccaagat tccttggtgt ggctgaacaa 120
 ttacacaatg aaggtttcaa gctgtttgcc acggaagcca catcagactg gctcaacgcc 180
 aacaatgtcc ctgccacccc agtggcatgg ccgtctcaag aaggacagaa tcccagcctc 240
 tcttccatca gaaaattgat tagagatggc agcattgacc tagtgattaa ctttcccaac 300
 aacaacacta aatttgtcca tgataattat gtgattcgga ggacagctgt tgatagtgga 360
 atccctctcc tactaattt tcaggtgacc aaactttttg ctgaagctgt gcagaaatct 420
 cgcaagggtg actccaagag tcttttccac tacaggcagt acagtgtctg aaaagcagca 480
 tagagatgca gacaccccag cccattatt aaatcaacct gagccacatg t 531

<210> 94
 <211> 547
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 547
 <223> n = A,T,C or G

<400> 94
 gttaaacatg gtctgctgctg cttaaagagag acgcttctctg cagaacagga cctgactaca 60
 aagaatgttt ccatttgaat tgttggtaaa gacttggagt ttacaatcta tgatgatgat 120
 gatgtgtctc catttctgga aggtcttgaa gaaagaccac agagaaaggc acagcctgct 180
 caacctgctg atgaacctgc agaaaaggct gatgaaccaa tggaacatta agtgataagc 240
 cagtctatat atgtattatc aaatatgtaa gaatacaggc accacatact gatgacaata 300
 atctatactt tgaacaaaaa gttgcagagt ggtggaatgc tatgttttag gaatcagtcc 360
 agatgtgagt tttttccaag caacctcact gaaacctata taatggaata ctttttctt 420
 tgaaagggtc tgtataatca ttttctagaa agtatgggta tctatactaa tgtttttata 480
 tgaagaacat aggtgtcttt gtgggttttaa agacaactgt gaaataaaat tgtttcaccg 540
 cctggtn 547

<210> 95
 <211> 1265
 <212> DNA
 <213> Homo sapiens

<400> 95
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 ctaactggga aagaccagag gagactggga tgggctcatg attctacata cagaactcat 120
 ccaagaaagg aggaaaagct gatttttgtg aacgtcgcta cttgtgcctg aactaactct 180
 caggcacatt agtcagaaaa tactacctat ggttactccc ccaggttcct aaaagtaaag 240
 ctttagaggc caccaaattg gcaattgaag ctggcttccg ccatattgat tctgctcatt 300
 tatacaataa tgaggagcag gttggactgg ccatccgaag caagattgca gatggcagtg 360
 tgaagagaga agacatatc tacacttcaa agctttgggt caattcccat cgaccagagt 420
 tgggtccgacc agccttggaa aggtcactga aaaatcttca attggattat gttgacctct 480
 accttattca ttttccagtg tctgtaaagc cagggtgagga agtgatccca aaagatgaaa 540
 atggaaaaat actatttgac acagtggatc tctgtgccac gtgggaggcc gtggagaagt 600
 gtaaagatgc aggattggcc aagtccatcg ggggtgtcaa cttcaaccgc aggcagctgg 660
 agatgatcct caacaagcca gggctcaagt acaagcctgt ctgcaaccag gtggaatgtc 720
 atccttactt caaccagaga aaactgctgg atttctgcaa gtcaaaaagac attgttcttg 780
 ttgcctatag tgctctggga tcccaccgag aagaaccatg ggtggaccgc aactccccgg 840
 tgctcttggg ggacccagtc ctttgtgcct tggcaaaaaa gcacaagcga accccagccc 900
 tgattgccct gcgctaccag ctrcagcgtg ggggtgtggt cctggccaag agctacaatg 960
 agcagcgcat cagacagAAC gtgcaggttt ttgagttcca gttgactgca gaggacaatg 1020
 aagccataga tggcctaaac agaaatgtgc gatatttgac ctttgatatt tttgctggcc 1080
 cccctaatta tccattttct gatgaatatt aacatggagg gcattgcatg aggtctgcc 1140
 gaaggccctg cgtgtggatg gtgacacaga ggatggctct atgctgggtg ctggacacat 1200
 cgcctctggt taaatctctc ctgcttggtg atttcagcaa gctacagcaa agcccattgg 1260
 ccaga 1265

<210> 96
 <211> 568
 <212> DNA

<213> Homo sapiens

<400> 96

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ccagtgtggt ggaattcgggt ttaattacaa aatttgatca cgatcatatt gtagtctctc 60
aaagtgtctct agaaattgtc agtgggtttac atgaagtggc catgggtgtc tggagcacc 120
tgaaactgta tcaaagttgt acatatttcc aaacattttt aaaatgaaaa ggcaactctcg 180
tggtctcctc actctgtgca ctttgcgtgt ggtgtgacaa ggcattttaa gatgtttctg 240
gcattttctt tttatttgta aggtgggtggt aactatggtt attggctaga aatcctgagt 300
tttcaactgt atatatctat agtttgtaaa aagaacaaaa caaccgagac aaacccttga 360
tgctccttgc tcggcgttga ggctgtgggg aagatgcctt ttgggagagg ctgtagctca 420
gggcgtgcac tgtgaggctg gacctgttga ctctgcaggg ggcattccatt tagcttcagg 480
ttgtcttgtt tctgtatata gtgacatagc attctgctgc catcttagct gtggacaaa 540
gggggtcagc tggcatgaga atattttt 568
```

<210> 97

<211> 546

<212> DNA

<213> Homo sapiens

<400> 97

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ttgtaccgta tctgtaggca tcctgtaaat aattccaagg ggaaaactaa acgaggacgt 60
gggttgatc ctgccagggt gagtggggct cacacgctag ggtgagatgt cagaaagcgc 120
ttgtatttta aacaaccaa aagaattgta aggggtggctt gctgccaggc ttgcaactgcc 180
gttcctgggg gtgtgcatct tcgggaaaagg tgggtggcggg gcgtccacta ggtttcctgt 240
cccctgctgc tccttccgta agaaaatgaa atattctatg cctaatactc acacgcaaca 300
tttcttgtag tttgtaagtc gtttgcgaga atgcagacca cctcactaaa ctgtaaacgg 360
taaagagatt tttacttttg gtctccgtga gtcgcatctc tactaagggt tacacaggaa 420
ttccacctga agacttgtgt taaagtctta cagcgcgcac tgtaaactga acgtcttttt 480
cttcagccta tacgcggatc cttgttttga gctctcagaa tcactcagac aacattttgt 540
aactgc 546
```

<210> 98

<211> 547

<212> DNA

<213> Homo sapiens

<400> 98

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tactgggtgc caagctatgt gccaggcact ttacatgtat tgatttaaca cttaacagcc 60
actctatatt attccctttt tacagatgag gcaatttaag ctcaaagcat ttaagtagac 120
aaccaaccta gaatcacata gcaaattgaca gaagccagag gcctcccaag tctctctaac 180
tccaaaccct atgcttactc tactatatca cactaccttg caataggaca aagggaatat 240
gtggtaaact atgttccag catctaaaag ccaggagtgg ttttcatttt tctttaagaa 300
gatgatagtg tgatttgaaa catatctgaa tttcagaaga ggggactttt aaaaattgcc 360
actcataagg aaagaaagaa ctttttcaca ttttttgaa agaaacgatg gtgagaagat 420
attcttgata atagagatat gctaaccatt gctttgggtg tttttaggt tagatttttt 480
tgggtgtgtac tttataggct tgcatattgc ttactttaaa cagctgaagt tctaagtaag 540
agtgttc 547
```

<210> 99

<211> 122

<212> DNA

<213> Homo sapiens

<400> 99

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cagcctttct gtcacatct ccacagccca cccatcccc gagcacacta accacctcat 60
gcaggcccca cctgccaata gtaataaagc aatgtcactt ttttaaaaca aaaaaaaaaa 120
aa                                                    122

```

```

<210> 100
<211> 449
<212> DNA
<213> Homo sapiens

```

```

<400> 100
ctgacggctt tgctgtccca gagccgccta aacgcaagaa aagtcgatgg gacagttaga 60
ggggatgtgc taaagcgtga aatcagttgt ccttaatttt tagaaagatt ttggtaacta 120
ggtgtctcag ggctgggttg gggtcctaaag tgtaaggacc ccctgccctt agtggagagc 180
tggagcttgg agacattacc ccttcacacg aaggaatttt cgcatgtttt cttgggaagc 240
tgttttggtc cttggaagca gtgagagctg ggaagcttct tttggctcta ggtgagttgt 300
catgcgggta agttgaggtt atcttgggat aaagggtctt ctagggcaca aaactcactc 360
taggtttata ttgtatgtag cttatatatt ttactaaggt gtcaccttat aagcatctat 420
aaattgagtt ctttttctta gttgtatgg                                                    449

```

```

<210> 101
<211> 131
<212> DNA
<213> Homo sapiens

```

```

<400> 101
ccatgttctc tcttgactac gcatatgtga gatttgcccc tccgccccgc tcgtgatagc 60
catccagatc ttttacctgg ccctgtcttg gagaatctgt tttcaatctc cactgattgc 120
ccccctgctg g                                                    131

```

```

<210> 102
<211> 199
<212> DNA
<213> Homo sapiens

```

```

<400> 102
ctgctgcgcc tgatgctggg acagccccgc tcccagatgt aaagaacgcg acttccacaa 60
acctggattt tttatgtaca accctgaccg tgaccgtttg ctatattcct ttttctatga 120
aataatgtga atgataataa aacagctttg acttgaaaaa aaaaaaaaaa aaaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa                                                    199

```

```

<210> 103
<211> 321
<212> DNA
<213> Homo sapiens

```

```

<400> 103
tttttttaggt ttttaaactt tttatttgca tattaataaa attgtgcatt ccaataatta 60
aaatcatttg aacaaaaaaaa aatggcactc tgattaaact gcattacagc ctgcaggaca 120
ccttgggcca gcttggtttt actctagatt tcaactgctg cccaccccca cttctttcac 180
cccacttttt ccttcaccaa catgcaaagt ctttccttcc ctgccacca gataatatag 240
acagatggga aaggcaggcg cggccttcgt tgtcagtagt tctttgatgt gaaaggggca 300
gcacagtcac ttaaacttga t                                                    321

```

```

<210> 104

```

<211> 309
 <212> DNA
 <213> Homo sapiens

<400> 104
 tttttttttt tttttatatt tttttttgca tcaaaaaact ttattttccat ttggcccaag 60
 gcttggttagg atagttaaaa aagctgccta ttggctggag ggagaggctt aggcaaaacc 120
 cctattactt tgcaaggggc ccttcaaaaag tctctgggct tctattttcaa ccgcgatgat 180
 gtggctctgg aaggcgtgag ccactttttc cggaactgg ccaaggaaaa gcccgagggc 240
 tacaaccgtt tcctgaaaat gcaaaaccag cggggcgggc gcgctctttt ccaggacatc 300
 aaaaagcca 309

<210> 105
 <211> 591
 <212> DNA
 <213> Homo sapiens

<400> 105
 cttatttctg catgggtcgg agagtgggag ggactgcttt actgagttat agtgaatgta 60
 gttttaacct aagcgcctca catgactaac tcctcatcca tcaagaatga gctcagctct 120
 cacttcccca ctccctaccc ccctgtaaag taacctttct ccaaggttat gcttcaacag 180
 gaatagctaa catttattaa attgtggcac gtaagtatct tggatatatt ggctcattga 240
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 aggctcccac tgctggtaaa cagtagaggg ggctcctgac ccatcagtct ggcttgacaa 360
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 tgtggtaaca tttgttgcat gaatggaccg ttgaaatagg gcctggcagg gagaaattca 480
 ggaaatgaat gaatggttct tccttggcag cctttgatga cttacaagcc cttcaaggg 540
 ggaaagccat ttttctccct gggactcctt gaaagcccgg gagccctgcc t 591

<210> 106
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 106
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 ccactaaact aattaagggtg ttggcataac ctgtcattga attcaagtgt ccaacaactg 120
 tttgcttaaa atatcattag acctaataatt tttttcaaag gcacaaagtt taaacatggg 180
 gggggcgggg gttgagaggg gtctgggata cccttaaacc caaaaaagtg atttgttccc 240
 ccttgcccag aagggtgact gttccactgg gcctgtcacc acaggacatt ttccatgaca 300
 agcaactcacc ttcttgggga aggggcatca ggttggcaca ggaaaggccc aagtgagggg 360
 ccactctgta cattaatact ttggtgatta atgtttgggg agaggcagga ttctcaccga 420
 cctttttgac ttcaaact ctcactcaag 450

<210> 107
 <211> 116
 <212> DNA
 <213> Homo sapiens

<400> 107
 tcgacgaaag ttactgtcac tcagttgtaa atccatcagc ttttcacctg ttaaaaattt 60
 tgcaaaatat acatgttctc ctctgtttt caattcttcc atcttttttc ttgagg 116

<210> 108

<211> 291
 <212> DNA
 <213> Homo sapiens

<400> 108
 ctgctcgaag ttgtcaaaac ccacgtgcag ggcaatggag agtccgatgg ccgaccacag 60
 cgagtagcgt cctcccaccc aatcccagaa ctggaacatg ttttgagggg caattccaaa 120
 ctcccttact ttggttgtgt tagtagacag ggcaacaaag tgcttcgcca ctgcagtagg 180
 atccttggcc gcctggagaa accactcctt cgccgtctct gcattcgtga tggctctctg 240
 ggtagtaaaag gtcttgaggg caatgatgaa caggggaggac tcgggggttca g 291

<210> 109
 <211> 662
 <212> DNA
 <213> Homo sapiens

<400> 109
 gctgtttcca cagtacgcct gcctcacacc ttgcgatgcg ccaacatcac catcattgag 60
 caccagaagt gtgagaacgc ctaccccggc aacatcacag acaccatggg gtgtgccagc 120
 gtgcaggaag ggggcaagga ctcttgccag ggtgactccg ggggccctct ggtctgtaac 180
 cagtctcttc aaggcattat ctcttggggc caggatccgt gtgcgatcac ccgaaagcct 240
 ggtgtctaca cgaaagtctg caaatatgtg gactggatcc aggagacgat gaagaacaat 300
 tagactggac ccaccacca cagcccatca ccctccattt ccacttgggtg tttgggttct 360
 gttcactctg ttaataagaa accctaagcc aagaccctct acgaacattc tttgggcctc 420
 ctggactaca ggagatgctg tcaacttaata atcaacctgg ggttcgaaat cagtgaagacc 480
 tggattcaaa ttctgccttg aaatattgtg actctgggaa tgacaacacc tggtttggtc 540
 tctgttgat cccagcccc aaaagacagc tcttgacct tgccccgggg cggcccgtc 600
 ggaaaggggg cgaaatttct tcaagaatat ttccatttcc acaaacttgg ggccgggggc 660
 cc 662

<210> 110
 <211> 323
 <212> DNA
 <213> Homo sapiens

<400> 110
 tcctgtgaaa cagcccattt tcctacctac tgtgggttgc tgctcaggag gaacgatata 60
 cgccaatata agcaggaaat ctgcagctcc tctgctatgt gcctcagaac actttcaatt 120
 tttctggtca atgctctgat taggtatcat acataaaagc cagcatatta gtttaaattc 180
 ctaacaaaaa actatatttt ccaaagtcac tatcatttgg gccaatgaag tgatcttttc 240
 gtgctttgtt gagcttcac tttagggcac ctcttctttc ttcccattca tgaagttcgg 300
 catttccatg tgcaattta cag 323

<210> 111
 <211> 336
 <212> DNA
 <213> Homo sapiens

<400> 111
 tccagtgcgc tccagcctta tctaggaaag gaggagtggg tgtagccgtg cagcaagatt 60
 ggggcctccc ccatcccagc ttctccacca tcccagcaag tcaggatata agacagtcct 120
 cccctgacct tcccccttgt agatatcaat tcctaaacag agccaaatac tctatatcta 180
 tagtcacagc cctgtacagc atttttcata agttatatag taaatgggtc gcattgattg 240
 tgcttctagt gctctcattt ggaaatgagg caggcttctt ctatgaaatg taaagaaaga 300

109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

336

<400>	112						
t t t t t t t t t t	t t t t t t t t t t	t c c a g t c a g g	a g t a t t t t t t a	a t c a c t g t c t	a c a g a g a c a c	60	
c t a c a t a c a c	a c a c g g g t g g	g g a a t g a a c c	c a a a g t t t t t	a g g t g a a g t c	t c t c a g g g c c	120	
c a c c c g g t g c	c a c a g a c c t t	c c t c g g t t g c	a g a g a t t c t g	g g c a a a g c a t	c c g t g g t c t c	180	
a t g a g a t t a t	c c t g g g g g a g a	t t t a g a a g a a	t t t t g t g g			218	

<400>	113						
ctgcaccgac	agttgcgatg	aaagttctaa	tctcttcctt	cctcctggtg	ctgccactaa	60	
tgctgatgtc	catggtctct	agcagcctga	atccaggggt	cgccagaggc	cacagggacc	120	
gaggccaggc	ttctaggaga	tggctccaga	aaggcggcca	agaatgtgag	tgcaaagatt	180	
ggttctctgag	agccccgaga	agaaaattca	tgacagtgtc	tgggctgcca	aagaagcagt	240	
gcccctgtga	tcattttcaag	ggcaatgtga	agaaaacaag	acaccaaagg	caccacagaa	300	
agccaaacaa	gcatcccaga	gcttgccagc	aattttctcaa	acaatgtcag	ctaagaagct	360	
ttgctctgcc	tttgtaggag	ctctgagcgc	ccactcttcc	aattaaacat	tctcagccaa	420	
gaagacagtg	agcacaccta	ccagacactc	ttctttctccc	acctcactct	cccactgtac	480	
ccaccacctaa	atcattccag	tgtctotcaaa	aagcatgttt	ttcaagatct	aaa	533	

```
<220>  
<221> misc_feature  
<222> 43  
<223> n = A,T,C or G
```

<400>	114						
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ctttggagaa	ggacatgtga	tgtgatggtc	ttcacgttcc	acatgtactc	gggcaaatag	120	
ggggacaaac	tgaagttaaa	caggtcgaaa	ctagaggagc	tgctgaccct	ggagctgacc	180	
accttcttgg	ggaaaaggac	acatgaaggt	gctttgcaaa	agctgatgag	caatctggac	240	
accaatcatg	agcaacaacg	t				261	

<400> 115
cctctcctgt gggttccaga ccctgttcca gcaacaattg ctgggacacc tgggccgact 60
gctccacctc gccaggccct ggccctctcc atctcagccc tgacagccac ccagtgataa 120

acacagcagg cttcctaagc aatgtgacgc accagagggg tggagggtaca cgttccccctt 180
 gaagtcacat gaaaattaga gaacagattt gcctcatagc tgaagagaga ccctattcca 240
 agcatgaatg gccttgacaa tggttcct 267

<210> 116
 <211> 239
 <212> DNA
 <213> Homo sapiens

<400> 116
 ctgatgacct ggggtctagt gaaaatgcag ggtcagattc agtgggtctg gggctctgaat 60
 ctctaaggcg ctgccaaagt atgctgatgc tcctggcttg tggaccaccc tgtgtatagc 120
 aaagctctag actaggaggt ctcaaccttg gctgcacaga attatctggg gagtttttaa 180
 atttcccagt gccaggctg cattcatatc atagtagaga cagggttttg ccatgctgg 239

<210> 117
 <211> 168
 <212> DNA
 <213> Homo sapiens

<400> 117
 aaaaaacttt tatattgctg catcttccac agttcttttg gtagtctctg aacttaaaat 60
 ttgtaggagt tgtagactac cttaaattttt aagttatgga tttgttcata ggttgtaggg 120
 gtaggtaaag aaggaaacag acaagaaaat ggcttcttga ggtggcag 168

<210> 118
 <211> 150
 <212> DNA
 <213> Homo sapiens

<400> 118
 aaaaaaaaga gtttatttag aaagtatcat agtgtaaaca aacaaattgt accactttga 60
 ttttcttgga atacaagact cgtgatgcaa agctgaagtg tgtgtacaag actcttgaca 120
 gttgtgcttc tctaggaggt tgggtttttt 150

<210> 119
 <211> 154
 <212> DNA
 <213> Homo sapiens

<400> 119
 aaactgtgtg agatattaac cagccgccct gttataaaat caggaaatcc aaacagcgat 60
 ttacaccgat taacaccccc ttttatattt tttcaaatac actgagaaaa taatcaaacg 120
 ttttcatctc tcttgtcttt ttttgttttt tcct 154

<210> 120
 <211> 314
 <212> DNA
 <213> Homo sapiens

<400> 120
 ctgcgtggag tgacgggagg agggaaatcac tgtgtgtgag agagtgtctc agactcaatt 60
 tccaaaataa ttttcacccc tctaagcatg taaattcaaa gatggatcct tcatagaaat 120
 taaaaaatca atttgagctc atttcgaata cagaacaagt atggcacaga tggaagtcct 180

```

gccacgtttc ctttaatgat gctgactcct gtatcacaca ggccagcatg aagtttctta 240
ctcagacttt acaggcatct tccgtaattc aatcagtcct gctcccagca caacacagga 300
ggtgattcga gaat                                     314

```

```

<210> 121
<211> 601
<212> DNA
<213> Homo sapiens

```

```

<400> 121
aaaaaaaaacc taattcattg aagtaataac caaataattt tcaatcttga ttcaactgtg 60
attcaaatct tacaccattt gccccttcta tgaatttatg tataaaattt tttaagagtc 120
agagtttttt tttcttgatt aattggatgt atttcacaga atttccaact gctcacgtta 180
gttttcttcc ttttagagtt gatctctcta atgtattaga tcttcatgcc ttgatagtc 240
tctctggaat aagtttgcag aaaaaacttc agcatgtgcc aggaacacaa cctcaccttg 300
atcagagtat tgtacaatca catttgacgt accaggaaat gcaaaggaag aacatcttaa 360
tatgtttatt cagaatcttc tgtgggaaaa gaatgtgaga aacaaggaca atcactgcat 420
ggaggtcata aggtctgaagg gattgggtgc aatcaacgac aaatcacacac aagtgattgt 480
ccaggtgtgc catgagctct gtgatctgga ggagactcca gtgagctgga aggatgacac 540
tgagagaaca aatcgattgg tcctcattgg cagaaattta gataaggata tccttaaaca 600
g                                                    601

```

```

<210> 122
<211> 486
<212> DNA
<213> Homo sapiens

```

```

<400> 122
ctgtttctaa ttgcttttgt gactgttacc ttttagttca tgcccccca aagagctaaa 60
tttcacattt ttacctacaa aattgatttt taattcctgc aaataattta ccattatgag 120
ctacaagggtg ggcaacagcg cctgaggatc taattttatg catattactc ccaagtattt 180
taacacttgt tggagaagca atatctggat caataaaaca ctgtcccatc aaccatttga 240
gtggggagag ggagaagctc ttctgtaagt aagattctgg caagctcttt gaaatgagtc 300
ttctttccca cagattttct ctactctttc aatacaaaca gataggagaa gaggggaatag 360
aaacctggag gaacttgaat atttttgttc tagatagaga tacagttatt gaaaaggaaa 420
cctagaaagt agtcacacgt cgcttattta ggccagaagt aattgtactg ggcaaaaatt 480
tcactt                                     486

```

```

<210> 123
<211> 239
<212> DNA
<213> Homo sapiens

```

```

<400> 123
ctggtgggtc tttttttcct ctcagagctc aagcctgtag tgcctgatgt catttctttc 60
aagttgcccc cagtatctcc acttaaaacta ggctagtaac caaaataatg tggaccttct 120
ttaggaaaca gtgtgggaga ataggagtcc agccgtaaga taaactggaa atatttgggc 180
gtcttgtagc tggctacgca ccacctcagt gttgttccta cataaacaag gcccctttt 239

```

```

<210> 124
<211> 610
<212> DNA
<213> Homo sapiens

```

T062076-10291

<223> n = A, T, C or G

ccanccaagt	cnttgatgat	cactgaccn	cgcgcgctg	ctggaccaag	gtggctgcgg	60
ggaaatcgcc	acngngcttt	cggttttctt	ggtgaaggaa	tacaccgcgc	cgacagcagg	120
ttttcagtca	gggtcagggg	ctgttgcttg	cgcgcgaaaa	tcaccggtac	gccgaggttc	180
aggccggtca	tgatcgccgg	tgcaatgcc	gaggcttcga	tggtgacgat	cttgggtgatg	240
cccgaatcct	tgaacaacgc	agcgaattca	tcaccgatca	gtttcatcag	cgccgggtcg	300
atctgggtgt	tcagaaaggc	gtcgaccttg	agtacctgat	cggaaagcac	gatgccttct	360
tcgcgaattt	tcttgtgcag	tgcttccacg	aaagcttctt	ctgttggcgc	aacacgcgcc	420
gaaagtagat	taaaaagtag	tctgattctag	cgttttaaca	tcgcgcgtat	atccgccagg	480
gcggtattgc	cgcgaacggc	tttgacttcg	ggttggtgtg	cgctgttgcc	ttcccatgcc	540
aggtcattcg	gcggcagttc	gtcaaggaac	cggctggggg	cacaatcaat	gatctcgccg	600
tactgcttgc						610

<213> Homo sapiens

ctatagggct	cgagcggcgcg	cccgggcgag	taaaaaatca	gccctaatt	tctccatggt	60
tactactcaa	tctgcaggct	tcttaaagt	acagtatcct	taacctgcc	ccagtgtcca	120
ccctccggcc	cccgctctgt	aaaaagggga	ggagaattag	ccaaacactg	taagctttta	180
agaagaacaa	agtttt					196

<213> Homo sapiens

aaattagtta	aaaaaatgca	ttcttcattt	gatatagcca	cattccaaat	gcttaaaagc	60
cgcattgtatc	tagtgactac	catactggag	agtacaaata	tagaacttta	cccgtcactg	120
cagacagttc	tgttggattg	tgcagcattg	gacaatatat	acagtttgcc	tgtatatgag	180
aaagagagag	agagagagag	tgtgtgtgtg	tgtgtgtgtg	tgaagtgcaa	taaggctgac	240
aggcatc						247

<213> Homo sapiens

cctccacggc	atggcgcaat	tgttggttcag	gggcgcgccag	gttgtgtccc	atgccgatgt	60
acatacgttc	cacgtgctta	ctcgccagac	gcactcgaag	cgtcgccagc	gctacgtttg	120
cgttggtg	cactgctgcg	gcgacgcttt	ttcgggccat	cgccggtggc	ttcgctttg	180
ctgctgagct	ctttgatcat	ctcgcggcgc	tggctgtcgt	tggcgtcctg	gtagtgcggtc	240
caccactcgc	caaggccgtc	ggtctgttcg	ccggcgcttt	cacgcagcag	caggaagtca	300
tagcccgga	cggaagcgcg	ggttggtccag	caacaggctc	gcacgtttgc	cgctgcggcg	360
tggcaggcgc	tcctgcatgt	cccagatttc	acggatcggc	atggtgaagc	gtttcgggat	420


```

ggcgatgcgc tggcattgct cggcgatcag ctcgtagaca gcttcctgca tggctggaat 480
tgccggcatg ccacggtctt gcaggcgcat gacgcgtttc gaaagcgcg gccaacaacag 540
ggcggcaaaag aggaacgccg gggtagaccg tttgttctgc ttgatgcgca 590

```

```

<210> 128
<211> 361
<212> DNA
<213> Homo sapiens

```

```

<400> 128
ctgcccattgg aaaccctcca ggagctgctg gacctgcaca ggaccagtga gagggaggcc 60
attgaagtct tcatgaaaaa ctctttcaag gatgtaacca aagtttccag aaagaattgg 120
agactctact agatgcaaaa cagaatgaca ttgttaaacy gaacctggaa gcatcctcgg 180
attattgctc ggctttactt aaggataatt ttggtcccct agaagaagca gtgaagcagg 240
gaattttatt taagccagga ggccataatc tcttcattca gaaaacagaa gaactgaagg 300
caaagtacta tcgggagcct cggaaaggaa tacaggctga agaagttctg cagaaatatt 360
t 361

```

```

<210> 129
<211> 546
<212> DNA
<213> Homo sapiens

```

```

<400> 129
aaaaatacaa attcagtaag acttttgctc taacaacaat ttttcaaac gaatcaacaa 60
caaaaaagta tccagtgttt cttttcttat gaagatataa taaaacacag tattggtaag 120
cacattttta cagtatgctt ttcttttgta gggaaaggag atatggctat gtctaacatc 180
gtgggatcca atgtgtttga tatgttgctc cttggtattc catggtttat taaaactgca 240
tttataaatg gatcagctcc tgcagaagta aacagcagag gactaactta cataaccatc 300
tctctcaaca tttcaattat ttttcttttt ttagcagttc acttcaatgg ctggaaacta 360
gacagaaagt tgggaatagt ctgcctatta tcatacttgg ggcttgctac attatcagtt 420
ctatatgaac ttggaattat tggaaataat aaaataaggg gctgtggagg ttgatattat 480
taatagtgtt atgcagaaaa tatgaatggc agggaggggc agagagaaaa atccatttct 540
tcattt 546

```

```

<210> 130
<211> 733
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 611, 631, 668, 689
<223> n = A,T,C or G

```

```

<400> 130
ggggcctctt cctaaaggca ctaatcccat ccaatagggc ttaacctcat gacttaatca 60
actttcaaag acaccacatc ctaatgccat cacatcagaa tttaggcttc aacatatgaa 120
ttttgggggg acacaaacat tcacctcata gcattcattg tttcttgta ttggcaaacg 180
caagactcac attgtctaag ttatttgact tttagtccg cagatgtgaa aacagtgtca 240
aacagtccag cttcatgagt ggagaacagc atttgtgaca accaccaaag tacctctgtg 300
gtcagtgtcc tcaaccaggg cacagcatca tggaccagag cctctgcagg gcacagagga 360
gtggtgagga acaggggctc tggagcaacc ccacttcctt ctgctttgta tatggggggg 420
tctgcacatg actgcatttg aaaagggctt cactgcgctt gctgaaggag tgcacttgag 480

```

```

ctagcggaga gttcccagag ggtgtctgga agaagcaaag gctattcttt gtttcactca 540
gttatagatg gaagtcagac acttctgcct gaagtacttt cacacactcc acagtcttaa 600
gaaggatgga naaagcatgc caactactca naaaaccaca ggtgttcaag caatggatc 660
cttttatncc tacaactagt ggacaaagng gggcctctgt aatttgggaa agctaggaaa 720
actttttctg ggg                                     733

```

```

<210> 131
<211> 305
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 16, 19
<223> n = A,T,C or G

```

```

<400> 131
aaacacatac gaatanttna actgtgatta tgaagtgaca gccggctaaa tatgtcttgt 60
attttctctc ttcttttttt tgctaactca tcctttattc cattcctgct tccatggtaa 120
tgcaggctca aataaattac taggatacaa gattacttca agcctctttt ctgtggaact 180
cataatatga taagcatttg ttacaagatt gcctgtagtt gtttagggga caaattatat 240
tagggaaaga aagtctttct ttagttgggt aaattttcta ttataattgg gtactaaatt 300
tattt                                             305

```

```

<210> 132
<211> 545
<212> DNA
<213> Homo sapiens

```

```

<400> 132
aaacaatgct aactcatttt ttggcaaagt gctgtattgt tcagtctgtg taaaaaactg 60
accatctatg aaccaatcag tataaaaaat ttctataaaa acaaaattta gacagcggct 120
caagaaaaca agctgccatt tatgcataga ttgatgtaca gtaacctaac caaatgtccc 180
ttttgaattt tcaagttact gaaaaaaaaat gtgtcgagaa acacattaag aaggcacatg 240
tacagtctac aatactcttc agtctcccta actcatgccc tgcccctata aaggaaatat 300
gttcacaatt ttacttgaga aaaaaaaaca aagccactta aaaaaaaaaa aacacacacg 360
caattattaa agttcaaaat ctctggagga aaatacaagc aaaaccactc atacactcca 420
agcctgaaac acacatctaa cctccccagg tactggtttg gttttcagag gtccacctag 480
aaaacaaatc taaaacttca ggcaaaacag agcaaaactg gacatttaac aattacacaa 540
ttttt                                             545

```

```

<210> 133
<211> 330
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 36, 68
<223> n = A,T,C or G

```

```

<400> 133
aatatttatt actaatatct tataatgttt tgtggnacca tggcatacct tgggtactat 60
tgtaacanat agttcaggaa accctactat aagggtttatc aaatgggtctc ataaacagtt 120

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The file "Homo sapiens" contains the following sequences:

```
<210> 134
<211> 627
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 99
<223> n = A,T,C or G
```

<400> 134						
aaatattact	tcaaatacat	tttaaagctc	aacaaaacttg	tgttgaactg	aattgcagat	60
cctgaactct	atttgaaaat	acatcatgaa	acagaaaanc	ccattccaaa	tgaaaatgat	120
agtgctttgt	tgggggtggg	aatgaggcgg	ggagactaaa	tcactattaa	cagacttctt	180
ttccaatgc	aatttgtcaa	aagttcaaaa	gttctgaaat	gtactaaatc	ttaagcaaat	240
taaattcatg	atattactaa	aactttttta	atagtgcaat	gacttatcaa	gttatagtgg	300
ctgcattaag	aacaaattat	tgtgtgaaat	acctgtataa	acacaaaata	caattaaata	360
tttctttaca	aaaagctgag	cattacgcac	aatagtggaa	tgtctttcat	taggtgtatt	420
ttttaaagat	taacaaaagt	aacatttctt	aaaatgtata	catgtgccat	atttttgcaa	480
acatgcctga	gaatgtattt	aaaacatttc	tgtagtaaga	gtttgcaaga	acttcacaaa	540
cctgcaaaata	aaatgcatct	ttttaaaaag	gtgaaaatgg	catctccaca	ctgcaacaat	600
tcaaaaagtq	caqcatccct	aatctttt				627

```
<210> 135
<211> 277
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 45  
<223> n = A,T,C or G
```

<400>	135						
aaaatcaaat	atattatttg	ttaaaaatca	gcttggttca	ttacnngaaa	ttacaccagt	60	
ccgttctatt	tactttcaaa	ccatattcaa	ctcctcaact	ttcaaacatg	taatcaacta	120	
atttcaaaag	ggaaaaggtg	ccctttataa	aggagagatc	tgtaaagaca	ccaagaaatc	180	
aaaaataata	tcacttaata	attaagtggg	taacacatgc	ctcccaatac	agtgcagtga	240	
gaaacacaaa	acatacaattc	ccgcgtactc	tgcggttg			277	

```
<210> 136
<211> 486
<212> DNA
<213> Homo sapiens
```

```
<400> 136
aaaacagaat gaattcattg ttacagttac agaagtcaga agcccaaata cagtctgcct 60
gaaccaaagc cagggtcagc aagggttcctt tccactgttt tgccaaacttc tagaggccac 120
ctgtattcct tggttcattg cccctctctt catcatcaaa taatcagcat agctttatga 180
```

```

cattggcagc tctgattttg ctcttttgcc ttctctttat gtagaccctt gtaattacat 240
tgggtacacc cagataaacc caaataatct ccctatctca agattcttaa tgtaattata 300
ttgggaaagt cccttttgtc atataagata acatagcaat ggattccaag gattagtatg 360
tgagtttctt ttgaggggct ataattaacc ctaccacaat atggaaatgt ctattgtttt 420
tctatgtacc agaaataaga cattaggatg tgaaattaat aacataacac cacttacggc 480
atcacc                                           486

```

```

<210> 137
<211> 552
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 310
<223> n = A,T,C or G

```

```

<400> 137
ccatcttgca tcaaattgttc ttaaggcagt gactggctat caaccacagt ttctgtctcc 60
ccagttgcaa acacaggatc catgcaacag ttctgagacc atacacttag aaaccacagg 120
ggatgcggat caaatgcaga actcccaaact tataaaacag tcagggtaca ctcaaaacaa 180
aacatagaac atcaacaaca cacatctccc aaaaaagaag tgcaacgcat gcttgtataa 240
accaacaata acaaaaaaac cacaataaaa aatgcagagt ctcccaaaca agttttcaaa 300
tgtattgcan aaagaaaaaa aatgtatata tatataaaat taaaaagtct gaaatactag 360
tgcatagtca attacctaac accaagtttc ttttctttct gtccaagctc tactgccctt 420
ctgatactag cagcatgtct acaggctaag accatagcag caaaaaacgt ttttcatttg 480
gcatttacaa aattaaatta ctgaataaaa atataatttt ttataaaaact atttcttaca 540
gtaataattt tt                                           552

```

```

<210> 138
<211> 231
<212> DNA
<213> Homo sapiens

```

```

<400> 138
aaattttact agtgttactt aatgtatatt ctaaaaagag aatgcagtaa ctaatgcctt 60
aaatgtttga tctctgtttg tcattacttt ttcaaaatat ttttttctgt aaagtataat 120
atataaaaact tcttgcttaa attgaatttc tatattagtg gttaattgca gtttattaaa 180
gggatcatta tcagtaattt catagcaact gttctagtgt tttgtgtttt t                                           231

```

```

<210> 139
<211> 535
<212> DNA
<213> Homo sapiens

```

```

<400> 139
cagttgccaa ccctctgaac cgttttaggcc gggtcatcgc tgcctttgaa tctgggcccgg 60
tggtgatccg gcaaggggtg aaaccaaaaga gcgggggctg tgaggccctt cgcagtcctt 120
cgtaagtcgc tgcgatggag tgaactatca cgcacgtgtt ttatttcgtc aacacgaaat 180
gtgatttatt tttgcgaatt aacacggcag ttctcgggta cgttttcgga aagcgtggga 240
tatgattctg tctatcctgt acggatatac agtaattacc gggaggggat tccatggcga 300
agaagcaggc ggcaccggca gcacggcagg aaatgagcgg tatggcgcgc ctcgggcttc 360
gcgtctcatc gatgattaat cacccggtcg cccagacgca gcgctgggtt acgattcatc 420
gcctggacac ggatggggat cgggagtggt aagaggttct gagcgtgatc gctgataaccg 480

```

acgagctcga gctgacgctc aatgacgatg gcagtgtgac ggtgaggtgg gagca 535

<210> 140
<211> 640
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 557, 559, 591, 599
<223> n = A,T,C or G

<400> 140
acattggtgg cacttgaact gagggtgaaac cacaacattc ttcagattgt ggatgtgtgt 60
catgacgtag aaaaggatga aaaacttatt cgtctaattg aagagatcat gaggtagaag 120
gagaataaaa ccattgtttt tgtggaaacc aaaagaagat gtgatgagct taccagaaaa 180
atgaggagag atgggtggcc tgccatgggt atccatgggtg acaagagtca acaagagcgt 240
gactgggttc taaatgaatt caaacatgga aaagctccta ttctgattgc tacagatgtg 300
gcctccagag ggctagggtta gtacaaactc gcattcatgg cttggtttcc cagaagatct 360
ccatttaact tttttaaaga aagtttattg ctttctttaa cctgcatttt ttctaagttt 420
tttttcgcat aaagggtgctg tctttgtggc aaggcctagg catgacaatc ggaggactcg 480
agggggatgg aggactagtg atccggctgg ctgcttccag tcgattagag aggtgaaaaa 540
gctgaacgtg tgcccantna atcttcaaaa aggcagaaac atatcacctt ntgcccccnt 600
aaacttggttc tttttccgaa ggggaaaaaa aaaatggaaa 640

<210> 141
<211> 127
<212> DNA
<213> Homo sapiens

<400> 141
aaaaatcaca cactgacaac acagaaatac gaaatgctag gaaaagtcta gcatatgaag 60
gaaaaacatg tcttatgcac tctaataata ttttttcaat tagtataaag gcaaagtcgg 120
ttttttt 127

<210> 142
<211> 126
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 18, 44, 46
<223> n = A,T,C or G

<400> 142
aaatattcctc tggatgcntt caagtaatac taatcatttc atgngnaaaa gtcttttaat 60
aaacaaattc agagtataat taattgaaat atttataata catttggtac acagttattt 120
ccaata 126

<210> 143
<211> 730
<212> DNA
<213> Homo sapiens

TO600T = 452200T

<220>

<221> misc_feature

<222> 512, 555, 603, 608, 685, 721

<223> n = A,T,C or G

<400> 143

```

gcaagttctg gagtggtcac ttctgagcct gaattccctc ccctgcaaaa tgggggaata 60
ccctcctcag aggggtccctg cgagggtgag gggagatcag catggcaggt gtgctgggca 120
cggcagggcc tgggaagggc agatcctttc cccatccctg ccacaaacaa cccaaacctt 180
taaaggagag caatggcctt gtgtcaaaaa caaaaacaaa aaaaaaccct gtcctaggag 240
actggggccc taatttctaa tagcaagcct ttatgagtcc ctaacactct actgggctga 300
gtatctcaca cgccagagga taacctgcct tctgctcacc accaccccggt agtagttgtc 360
attgtgtcca ttccacagat gaggcaaagg ctcaagaagag tcatgtgtta aaccagcttc 420
tagagccccat gcaggagctg cagggtggga gaatcacctc taggtgctct tcccatggaa 480
tcctcacccct ccttgagtgg tcaactcactc anctttccaa tgggtgtgtg acctttgacc 540
agctttcttt ccttntctgg gcctcagttt cccaccttgg acaaagtaag aggtctcttg 600
ggnttcangg tagttcttcc taacttcttt tccttttcat ttgagcatcc ttcttcattt 660
tttgccacct ctcttgtcat tacangcttt taccttcggc cgcgcaaccac gcttaagggc 720
naaatttcca                                     730

```

<210> 144

<211> 485

<212> DNA

<213> Homo sapiens

<400> 144

```

ctggtcagaa atgattctct tgtgacacca tcgccacaac aggctcgggt ctgtcctccc 60
catatgttac ctgaagatgg agctaccttt cctctgtgtg gcattttgtc gcttatccag 120
tcttctactc gtagggcata ccagcagatc ttggatgtgc tggatgaaaa tcacctgtgt 180
tgcgtggtgg gtctgtctgc gccacttcta atcctcatca tgacaacgctc aggtatggca 240
tttcaaatat agatacaacc attgaaggaa cgtcagatga cctgactgtt gtagatgcag 300
cttcactaag acgacagata atcaaaactaa atagacgtct gcaacttctg gaagaggaga 360
acaaagaacg tgctaaaaga gaaatgggtca tgtattcaat tactgtagct ttctggctgc 420
ttaatagctg gctctggttt cgccgctaga ggtaacatca gccctcaaaa atattgtctc 480
aacag                                     485

```

<210> 145

<211> 465

<212> DNA

<213> Homo sapiens

<400> 145

```

ccaagacagc tcgtttctgg agagtatgag ggtgtgtttt cttattgtga aaggaactac 60
cttctcttag agggtaggaa gaatgtggtg tgtgtgtgtc tcataaaagca accggacatt 120
ataggtgccc aggtcatcta taaaaacgat ccttgggctg tgtaaaaaatg aagtggcttt 180
tcagtatcct ctttcacact tgctgcttcg ggagactatg caatgatggg aaggtgattg 240
cccctttatt tcattcagtg ccatggtccc tgttgttgta gtaatttatt tgtttagttc 300
attttttttt tcttaacagt caaggggaag agtgattcct cacactgctt tcaagctgga 360
ctgagccagt ctcatctctg gaaagaaatg ctgtgtccag aactcagcag ctccatctat 420
tttttccagt cgaaagaaac tgatcttttag gcagttttta cttgg                                     465

```

<210> 146

<211> 351

<212> DNA
<213> Homo sapiens

<400> 146
ccagccgggg taatctgtat gtggcggact tgagctacga cgtggggcggc aagtgcctgt 60
ttgaccagat cagcggcgtg aagcttatgc caactcatcg tttgataaat ccgaggatca 120
gttcaagacg tcgcagcggg tgattttggg aacgtcgttt tcggtcagta aattgtgggt 180
agcgacggag tggttgatcg gcaagaatga tccgtatatt ggccgggagca gctataccga 240
gagcctgggg gctgggggga gtaaccagtg ggagaatcag ttatatatga acattgggta 300
ctactttctga cttaagatct ccagcgtttt aactggcctt atcgcaggca a 351

<210> 147
<211> 654
<212> DNA
<213> Homo sapiens

<400> 147
acttattttt aattactgaa tatttcttag acgttttggg acagatttta tgtaatcttt 60
ataagtatga tttctgaaga aaagcaaatg cattagtagt tttgccttaa acttgttagac 120
taaaccaagt attgtaaaat aaacagcgat aacagtgata gtttttaact ctatgggtcat 180
tgtatcactc tggaaaatgt ggagtagctg taataaatct actcctgtat tatgctttac 240
agtgcaggtc ttagtttttc ttttttctca tttcttttga aatggcatct cgaacaaagt 300
ccaccaatcc ctttacaaaa gaatgaactg ctctctctgtg tgtacttcat agaagggtgga 360
atcgacacaga ggcaggttag tgacagttat tcttgaaata caggagcaga gtacagtcctg 420
ttgtggtttc ccgattccg cgcctagctc agccaattaa gcatgagaca taggccattg 480
agccacttag tagttatgcy agtgataga ttggtatgta agagggaaag aggtctgctg 540
taaagaacaa cacttgtttg tctgtgggga aagaaaagca gaatcttgag atgaaagttg 600
gcatacaaat aggatactat cgccagtagg ttatattaca aaacatttat cggg 654

<210> 148
<211> 539
<212> DNA
<213> Homo sapiens

<400> 148
tgaatatcat gaggggtgatt ttcacctgat tgcaaaactg ccatagtttg aaacactttt 60
tcaatttacc agacacactc tgtcaagact tcatatactt ccaacttgca agcctgtgtt 120
ttgccttctc caacctaaaa aggaaaagct ttaaacgatg aacttacatt ctattaaacc 180
atcagacttg agcttatcca tctgttttagc gtgaatgtac aaaccaggta catttccacc 240
aaacacatag aaaaatcttg tgcatacag ttcagctaag ggtagtagga caatccttac 300
aatcctcctt ggattttctt ttttaagatgt caaagaagca ggtaagcaac attgttcatt 360
tggtactggg tgttctagat caaaccttca caagctatat atatagcttc atatgctata 420
gcttacaat ggggtaacaa agtaaaagaa aagaacaaat tatactttga cactttatag 480
tcaaagtata attaaaaaag aaatcctaca gtgggtaatg gagaaataga taatttttc 539

<210> 149
<211> 273
<212> DNA
<213> Homo sapiens

<400> 149
tttttgggtca ttctcctcaa ggagccgctg gatagtagtc ttgattgact tccaccttgc 60
ccctcataca gtccggtact aaggccaccg acatcccag gaacctccg aaccacgacc 120
gccaaagcaac tcgaccacg ataggtgggg cctacgctct cgaagttgat tggatgctcc 180

<400>	153								
ttgtcttctc	taccttacca	tagccagttg	ctttcathtt	aaaccagagc	aagtaacata	60			
ttagtgactt	gaatcttcac	aagttaaagt	aaaaaacagc	aaaaaaccta	gatctttgtc	120			
ttttaagaaca	cagacctatt	tcaggaaaagc	agtttagctaa	gtgtttaatt	catgaatat	180			
gtatactgca	tcccctacca	caattttcac	aatcctgtgg	atagtcctac	ctcaccttg	240			
tcaacctaca	tgatccttaa	getaatggcg	gatcacgatg	accttgtaga	catgcacaca	300			
actatacctt	tgtccaacag	atcataatat	atctgctatc	caactggttt	tacctgcta	360			


```

atcctactga tttgggcact gcttgtatag tctctcaagt tcacaggaaa tgttgatttt 420
ctaaggtcct cattttttaca gagtatacag gcaaagtgc aggggaaaag gaattagtct 480
aagagtaagg ggatgattat tatattgagg ctaaaaccac aaagtggctc aggcctttaa 540
aaaaaacact gtggataatg acaaaaagca taagtaaaaa tatttttgaga aaaataaagt 600
acaagttttg aacaccccc 620

```

```

<210> 154
<211> 843
<212> DNA
<213> Homo sapiens

```

```

<400> 154
cattgttagt gacccaagta aatttatagt ttttaagttc agaggaaaaa taaagcctat 60
tttttgtaa cagtcttaat aaataataaa atggaataaa gaaacaaaa aaaaaagaaa 120
aagtttgtat gaaaattcat ccctatttct ttattttgga ctaagtagtc aaatttctac 180
tatattaata ttatgtaagc gacacccatt taaattcact ctctttgata gaaaggtag 240
ttgattatca cacctgctat tttttcactg ccaaaragac tgcaataacc tccctccatc 300
accctcaaaa aacaaacaga aaccatctga ggcataagcca ttgtttacat attgtgtttg 360
tgtgcaccta tctacaacgt tctttcttct aaggagtta tctgccaata ttttcggctt 420
cagcagcagc gctcttcttg acagactaag agaaggatct acagaaaagt catctgatta 480
aggttttggg tcaaattaaa actctctgga cagaatcctc tttccttcac ttggatttct 540
gcaaacagaa agcagattat tctcctggca caatagcgac tctagaaacg cttatgtttt 600
tcagactttg gcagaacttg ttaagaacag catcatcata atacatttgt acaaactcga 660
atttcagtgg ctcttttctc ccacatgatg catgatgaaa tttataaagg tctgttttac 720
ccccacaggg tcatttcttt tgtgttctta cagagccaat aggcttcatt taagtccaag 780
ttatttatatt aaccatccct ttcactagac tagagaactt ctttttcatt gtccatatcg 840
tga 843

```

```

<210> 155
<211> 674
<212> DNA
<213> Homo sapiens

```

```

<400> 155
tttcgtgtca gccccaggtt tgctccagct attcacaagc agaataatac acaagaaaaa 60
caattcatat cccttaggga aaaaagagga tcaattcatc actcaatatt taatacagcc 120
aaaatgagct gccaaaacaa gcacacacac aaatactgtg aacagaaaaa tacaagaaaa 180
tgactaagct gggagtcttg acggggtatg gacattgctt aaagcactta tcagtcccca 240
gaaaaaccaa accaaaaaca ttttttacga tggcatggcc tcatggcccc ctttaaaact 300
gttgatggta acaaagggca gggggtggg agagaaaaca caatcactgc tccctttttg 360
ctcgccagtg tgactgcacc cctcacggca ccggcatgta cacaactacc acacaaggag 420
gaccaagtcc ctctgctggt ggctcctaa aaggcaaggc ttgagttttg gctgatgagc 480
aagttctctc cgttaccaat cctgccaac cagcactacc atggctgaat tgatctaccg 540
ttttcctgag taaactgtaa ctggctacag tttcggtaac atggaaaaga actcagctac 600
tacagccaac tgcaatactt caggaacccc ctccatccct ggggctcctc actcctagt 660
catcttgatt ggat 674

```

```

<210> 156
<211> 671
<212> DNA
<213> Homo sapiens

```

```

<400> 156
ccttttagtga acacctttat ctccatgtcc ctcttagagc ccagagagct gcccataggc 60

```

```

attttcaga attcctcatg tcacctagtt caatttccat taactcagat cagccattgt 120
gattcaccat ttgtcaggct ctccaggttta acaaaaccta ctatcaccat catccttcaa 180
cagccacagt ctgaattgag ccaacatttt tttttctttg agaaagaagt gggctggggc 240
acaactttta gtctgagggg agctagtagt cggttgaca attaaagcca tccataacaa 300
cttttcctca aatgtgttga ctctcaggg gctaaactgc tcttagctta gaattatgct 360
ttactagaga tctaccatat aagtgggtta atcactacca tctgttaact agttatatag 420
cttcagaca tgaggagac atcaaacagg gatggaagca accccaagga tatgcaagaa 480
gggcatgatg aaccccttc cctctggcag gagaacaagg ccaaccaagg gacagactgg 540
aaagcactta gatgtttaag gaggagaaag gggaagcttt gaccagtcct tgccttttgc 600
caagttcagc cagttctccg ctgcttgcaa cctctagcgc agtaacattt tgcagaattg 660
cagattttcc c 671

```

```

<210> 157
<211> 474
<212> DNA
<213> Homo sapiens

```

```

<400> 157
cgcggtcttt aattctttaa gcctagaaaag tcctttacac tacttaccta aaggtcccaa 60
agtaaaacac acactagtag taaggctagt gcatttcctt tctagcactc aaagaaagct 120
taacattttt gacagtttgc aaataccgcc ttgtatttct gattcagcct tattcaaagt 180
atcataataa aatattttatt aaatstatgt tgatctgcgt gcatttatga tctccagatt 240
aacgttaggc ttctctgttg ggccttaact tggaggtgct tttttggatc cctcctcccg 300
tgattcattg taatttcatt tcccttgtca tggctctgac cagagaagat tctaaatatc 360
tgccccaaa gccaaaatta tatcttttga aaagtgaat gaagagtga gtcastaatt 420
tatttttagat attactgcct aaaacaattc cccaaaattt atggaagttg gagg 474

```

```

<210> 158
<211> 584
<212> DNA
<213> Homo sapiens

```

```

<400> 158
ttggattctg cagttccaca tcattcactc cggcaaagga gagaacttgt aacaaagatg 60
agtccaagt ttagtcaatt taccctacct ggaatactat atacaactct gggctctcatg 120
tgtgttaaaa tacatacagt gaagctgagg aagagccact gaagtaaaaa gtattgttta 180
caagttggaa aggatgtaaa aataatctaa agtatactaa gtcaggaata aaaggcagag 240
ttaataaaat tgtggctggg actgatagac gaaacagata tattttctaa atcctggaat 300
aattattaaa aaattttaca tgtatcaatg gattccagac tccatatttt aagtttcaca 360
actactgtca tttaaaacta taccttattg aacgtctccc actctcaata aattacccca 420
aatcactctt ctccaaaacg taaatttgga acacactgac ttacaaaattt tgggcttaat 480
ttataggatg ttgtggccct caaaaatatc attgtgggct aaacaaaata aattcttgaa 540
acaattctaa aatcaatca ttgtccaaaa tgaacttttt ctaa 584

```

```

<210> 159
<211> 671
<212> DNA
<213> Homo sapiens

```

```

<400> 159
cctaatttta ttacttttct tgccactgct attattgata gaaatacaat taaataatta 60
agatgaacca atccattgga agattactaa aattgtatct tcccaatgcc tcctacagta 120
agatttcttt ataattataa cccttgagga caatttgaac tttatttaaa tgttctgctc 180
aatctaaat ttccttctcc taggctgaag cctgatctaa ataaggaagt agttgggata 240

```

tatccacagg ctgtcgaaca tggagctgca tctgagagac aggtggcagc aacccaaaagc 300
 aaagcagggg ctgagaacag gcaggttcca agagcaaaat ggaacttgaa agccaagtat 360
 ggttcactgt aaaggagaaa atatagaaat acggaactag aacacctggt ctgggatgtg 420
 gtaagcacc ccc aaaatatagg aaaactgtat gaattcttgt gaagcagtaa actatgatag 480
 taatcatgtg acacatatga taacaaactc aaaacaggga aaagaggggc tttattcaat 540
 gctggagata agtgaaaaaa aaagtgaagt gtctcaagga cagaagttat catctcaaaa 600
 aggcataatca gctagatctc gcggaaaacca tatgattatc ataattctag actctgttcg 660
 gtattacaaa g 671

<210> 160

<211> 315

<212> DNA

<213> Homo sapiens

<400> 160

ccagagaggg agggctctgc ttcaccacag ggcaccagaa gaggactggg gcgcgggaag 60
 accaggtaat cataatgcta ttaaaaaatag cagtaatcat actgttttat acattgtata 120
 atgtcataag gattttaact ttcatgtaac ataattgctg taaaagtttc cccagtttgt 180
 tttgtgctat ttaccctggg gttaaaatgt gtaagaattt acatttttagg tatgttaggt 240
 ttattccttt ttatatgggt tctgtttgaa attttgattt tagaagacat tcattctcaa 300
 ggtcataaaa cacac 315

<210> 161

<211> 607

<212> DNA

<213> Homo sapiens

<400> 161

tttytggtgc accttgata attgcttaac ttttaaaatt tacgttcctt catttccaaa 60
 aagggtattt aactcactgt tattttgata attgagataa atgtacgtac aagtgttttg 120
 aaactgtaaa gtgcattata aacagaggga tttaccatag aggttctacc ttgatgtatc 180
 aagagaagcc ttttctggaa tctggtgcag ccttggtgaga tgctgttagg taaggggact 240
 ccttggtaga atttcttaca tttgtgtaaa aagttctggt tcttgagtaa ttccaaagaa 300
 gatgctatga ggagttcact gtgcctttga tttgatccca atgggtcaga atatgttttc 360
 tcattcagta ggctactaca ggatttgaag tagaaaaaac aggggtccagt gaccttcacg 420
 ggatcctaga tgttcatgaa tttcaatcat ttgagattgt ggggtgtggg ccaatgctgc 480
 tctcaaaaag atgttgacct tcttcasaga gcattaataa ctaaaaaatc ccctgggtccc 540
 aaattttattg tgtgtmtctg aaggctttaa ctgaagaaat gaaawgcaca ctcatggaac 600
 aaactaa 607

<210> 162

<211> 443

<212> DNA

<213> Homo sapiens

<400> 162

tgagttttgc aaaagtgaat aatcaaaagg aaaataattc cttgttggtc ataaattaag 60
 catcactaaa gtctcttgaa aggcatttct gtattgggca agatttaaaa tactaaagcc 120
 ttaggtccta ttcataattt aagtagcatg tttgtaacct gttactattt ggagagagaa 180
 gcagttgcct gccacaattg aagactacct ttcaaatagc aaaagagaga gagaaggctg 240
 atatttcggg cttttaaata aagatttgtg tggttctgct tttactgtaa ctgtcacttt 300
 cccagtgaat atgatttcat atacatttga gggctttaca sgtatgggta aagttctata 360
 aattgcaaca aaatgatacc caatttcatt ttatcctttt tgtattgtga aactggaaac 420
 tttatgacat tgtaaattat cag 443

<210> 163
 <211> 686
 <212> DNA
 <213> Homo sapiens

<400> 163
 caggcaaat atagtcaaat acatcacccc cctcaggcat ctgtggcaag gcatccctct 60
 agagaacaac taattgatta cttgatgctg aaagtggccc accagcctcc atatacacag 120
 ccccatgtt ctctagaca aggccatgaa ctggcaaac aagagattcg agtgagggtt 180
 gaaaaggatc ccagaacttg gatttagcat atcagggtgt gtcgggggta gaggaaaccc 240
 attcagacct gatgatgatg taagttagct ttgtatattc ttgaaacacc tataaagt 300
 tatttaccga ttgaatactt aaatgtaagt gaaaatctaa tagatgttta tgtaaatcta 360
 ggtagacatc acctggattc cccactctat tgcttacctt tttgttttgt aatttgatca 420
 gttcaagtta aaacaattta accaaaaact atgaatgttt atgatataat gaaatgattg 480
 ttaactttct tattgctttt tcacacacct ataaaagtaa ttttattact cccaagagaa 540
 atcactaaag gcagaattac tagaggtaaa aataactagg gttggtacag tattactcag 600
 gagaagtcaa ggggagaaaa cttgtcccaa tgattcaaaa taattttggc atgggggggg 660
 ggagggaaaa aaatttggct tccttt 686

<210> 164
 <211> 706
 <212> DNA
 <213> Homo sapiens

<400> 164
 ttttttttgt ttcatttgcg gcttaaaata aaaattataa attagattta aatggagcac 60
 taattataaa acagattgca agtaccacca tttgaaaaaa aaaaaaaaaa tcagtggatt 120
 tccataaacac agaaaatgca tggacatgca tctacagtag agttaaaat ttcctgtgac 180
 taaaaaatta aaaactggaa tcaccagtag caaatgtata gtcaatggct atgacaagaa 240
 cagatcctgc cgagctcata aatgcaatta ttggcttttt tgctttataa aaaagacatt 300
 acatatttta ttgcattatt ctctaataa aaaacatact accacgtagc tctccccatc 360
 cccattcttt gcttcagat ttttatagaa aataactgtt ttagtctggc cttggaaagt 420
 gaaccaccca gcaccacct cactactca ctcttcaatt caatatgcac atagcaaaag 480
 ccaacacttc aaatctcttg cccacatcaa aaaaagtagt ttcaggagaa aaacattaat 540
 accagttgaa taaaaataag ggcataaaag ctatgagaga gatagctctg ccactctgtc 600
 ctgggctaaa aatcaaggct aactattgcc tttggcacca caagggtcaa ggtccatggc 660
 tttattagaa aagtccccc aaaaaaatta aacccccctc acccca 706

<210> 165
 <211> 427
 <212> DNA
 <213> Homo sapiens

<400> 165
 tyywgggcaa ttaggcagga gaaggaaata aagggtattc aattaggaaa agaggaagtc 60
 aaattgtccc tgtttgcaga cgacatgatt gtatatctag aaaaccccat tgtctcagcc 120
 caaaatctcc ttaagctgat aagcaacttc agcaamgtct caggatacaa aatcaatgta 180
 caaaaatcac aagcattctt atacaccaat aacagacaaa cagagagcca aatcatgag 240
 tgaactocca ttcacaactg cttcaaagag aataaaatac ctaggaatcc aacttacaag 300
 ggatgtgaag gacctcttca aggagaacta caaacactg ctcaaggaaa taaaagagga 360
 tacaacaaa tggaagaaca ttccatgctc atgggttaga agaatacaata tgggtgaaaat 420
 ggaaaaa 427

<210> 166
 <211> 124
 <212> DNA
 <213> Homo sapiens

<400> 166
 accatgtttt cgttgtgtgt gagcagggaa gggaactttc ctgccttatt taaacctggg 60
 ccgaggattc gtggaatctg cttgatcaga gactctgagg ccaaaaacgc atcatacttc 120
 ttgg 124

<210> 167
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 167
 tctgcatagc aaatatgatt taagaattta acatcattat ttgatcacia gcgtaaatat 60
 gtcaccataa ataaatgtaa attcattgta caaaaattcc caacaactct taatacaaat 120
 atggtacatt tgacagtttc tgaaacagat tattttttaa acttttttaa acctaagctt 180
 tatttttttc ctggttatta gacacacaca aaaaaataa aaagaggctg gg 232

<210> 168
 <211> 677
 <212> DNA
 <213> Homo sapiens

<400> 168
 tttcacaatt aaccaacatg caaaaattct cagactaaac actgagaaat tcttcataca 60
 atgcatttgc caccttattg ctttttttaa atctttattc tatagtgaat tggatttccc 120
 aatctgccta agcaaaggca tgcccttcta acaagatttg cttagagcag aggtgataga 180
 aggaagaatc cgaagaccct ctggcatggc aatctgggag cagcacattg ttgatggagt 240
 ccaagtggagc acatttcaca caattcattt agtgacaagt gggcttgctc ccttttcata 300
 caggaaaaaa actactcaca gaccactgcc cagaatctgg aataagaacc ctcatcttaa 360
 ggtattcttc ccaacaaata aatatctaaa tattgaaagg gggcatatca gaaaacttaa 420
 aagacacaaat aacaaaaacc aaaaccctct tcaaaacaag taagcaatgt ctgtatttag 480
 ttactcttaa aacattctta gcttttcttg cagtttggtc ctaaaagatt tgattgggca 540
 caagaggaac gaaattatta ataaaataaa agcttatttt tgtttttgct gtggataatc 600
 ggtacaaaac gtttccagat ctgagactta aatggatctt ttaaggtgaa aaggagaatg 660
 ccaggttcta ctgaaat 677

<210> 169
 <211> 635
 <212> DNA
 <213> Homo sapiens

<400> 169
 ttaagaagac tgggcattta tactctctct tgctagtcag cctggagcaa gcttggagca 60
 gacgcacatt tttgtactgg cacatattct tagacgacca attatagttt atggagtaaa 120
 atattacaag agtttccggg gagaaacttt aggatatact cggtttcaag gtgtttatct 180
 gcctttgttg tgggaacaga gtttttgttg gaaaagtcag attgctctgg gttatacgag 240
 gggccacttc tctgcttttg ttgccatgga aaatgatggc tatggcaacc gaggtgctgg 300
 tgctaattct aataccgatg atgatgtcac catcacattt ttgcctctgg ttgacagtga 360
 aaggaagcta ctccatgtgc acttcccttc tgctcaggag ctaggtaatg aggaacagca 420
 agaaaaactg ctcaggaggt ggctggactg ctgtgtgacg gaggggggag ttctggttgc 480

```

catgcagaaa gagttctcgg cgggcgaaaat cccccctgg tcactcacat ggtacaaaaa 540
tggcttttgac ccgctaccga cagatccggc cgggtacatc cctgtctgat ggagaggaag 600
atgaggatga tgaagatgaa tgaaaaaaaa aaaaaa 635

```

```

<210> 170
<211> 533
<212> DNA
<213> Homo sapiens

```

```

<400> 170
ctgtgatctc acaagtgtga aaaatcttat gaatgtaaaa tgtgtggaga ttcttctttg 60
tttttagctt ccactttggg aacatgtcaa agcacacatt gagaagtccc atgagtgaag 120
gagatggttg aaagcccttg aacttggtcg ttaggaaaca tccacactga agaggaacct 180
gactgtatgg aaggtcaaaa aggctgtatt aatttacatg caaaaagtca cactagagga 240
atgccatata agaatgcttt tggtaaatat acatgtttta aagaggttat atatcattaa 300
taaaaatata tagctggtct gaagaccctg agttatctca attgttcacg gttacagatg 360
gaactcttta ttattgagga gttccactct ttccccatt tgtcactact acacttcctt 420
agtcttttaa acaattttag gctgggtgca gtggctcatt cctgtaatcc cagcactttg 480
aaaggccgaa gcgagtggat catttgaggt caggagtctg agaccagcct gga 533

```

```

<210> 171
<211> 568
<212> DNA
<213> Homo sapiens

```

```

<400> 171
cccttgscas actttccctt aagtattgca ctacaagtct aagacacttt tcaactcaaag 60
ttccttcctt ccttacctct cttttaactt ggagtcagac ttcatcagc ctgacaactt 120
ctccctgtct ccttcctttt ccccccttca caagcatttc acctaacaaa ttctttatgt 180
gcttaatccc ctcttagaag cagatgccaa gatgggatta agcacataag aggtcctgga 240
ctaatacaat gacaaaggct ccccttgaag catcacacta aaaggaaaaa aaaaaaaaaa 300
acctagccat ttacatttaa ctatttctaa aatatagtat ttgcttcctt atttgctaaa 360
acaaaatata ctaaacatga ctattccaaa aatctgtagg gtactaagaa tatgaagaga 420
ttcactctac ttcaggggat ggagttgtag tagaaaaggc tttgtggagg gaggggtggtg 480
tttgaaatgt actttaaaag ccctcctcaa agcctcgagg gctatacctg gcctggtgat 540
tatccaagga cagtccattc aaacaggg 568

```

```

<210> 172
<211> 167
<212> DNA
<213> Homo sapiens

```

```

<400> 172
ccatttacag gaatcagcca cttcagttca gacagcttta ttaaaccgcc tggagcgaat 60
tttcgaagca tgttttcctt ccatacttgt ccctgatgct gaagaggaag ttacttcctt 120
gaggcacttg ctggaaacaa gcactttgcc aataaaaacg agagagg 167

```

```

<210> 173
<211> 391
<212> DNA
<213> Homo sapiens

```

```

<400> 173
cctcccaaag tgctgggatt acaggcatga mccmccmcgc cctgatgata gacacgtttt 60

```

```

taacttctaa aaatatatga tcatgattgt gtctgtggag acttgcacat atactaaatt 120
ttaamcaatt agagatatatt gttcattacc acattttggg agtcattatt tcctctatga 180
agagagaaaag gaatttgata caagttcaca ggggcttcca gtagattgag acttttattt 240
ctagctgagc tgctgatgta tgaatttttt ttgktattat gactttcata tgtattaaaa 300
ataaaatgaa aaaacaaggg attaggtgag gaacctatac gtctctaata tgcaaaatac 360
cacagaaata atgactgktg ggaaaattag g                                     391

```

<210> 174

<211> 474

<212> DNA

<213> Homo sapiens

<400> 174

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gaactcagag agaggattgt cacccttggc atctgagctg acactataag gacaatgagg 60
agtctccttg gggatagatg gggagatgga aggacgatgc ctgtcctacg gggctcttga 120
aggtttaggga tacacactgt gagctgccac aggctcaaca gtacggatag ggggtgctgg 180
aaccagccag ggctctgatc accaagctat gtgccccatg cagaggaagg ggtagtggca 240
cactgaacca cccagccaca aggctatctc cccatacagg gcacctttaa aaaaattatc 300
cttacagggg aagacgggga ggaaggatga actgtgtgcg gtgatgttgc agtgagtgtg 360
agtttgtgtc cgtccgcttg tatgagggcc taccttttac taactagccc ccaactttca 420
ttatctcccc tttttctgtc tacccttctg ccttttttaa gtggcttgca atcc         474

```

<210> 175

<211> 655

<212> DNA

<213> Homo sapiens

<400> 175

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ccttgcaggg gtgggggatgt gtgggcttgt tctactgttac agcccatgta tacctgaagg 60
gcaacatgta cccacaaatg ttccaggagg taaataaaaa atacaattca gcctcttcta 120
aaccatcctt gttgatatct ctgctacttc cgaaagttaa ttcgttattt ggactccata 180
atttttccta ttaattcacc ctatgtccaa ctccaacagt gaaaaaaatt tatttaatct 240
ttgcaataag cctataggca ggcagcatta tcctcagtct gcagataagc taaggctcag 300
agaagcttgt atactgtcac ttaggtagta attgcaagag ctggcattca gaccagact 360
gtgggactcc tcactccatt ctctttcccc ccactaggct gtcctttaa atacaatgga 420
tgcttgatga acgcttgtgg gaatcctggg tggacacagt tccttttcgg ccaaaagcac 480
cttgacgact tgtgaagaat taatctggaa aacttaacct atttataaaa acgtgttatt 540
aagggcaggt tattcccacc ccctttacca aagaaacccg ccctgacctt tttttactgg 600
gggttggtct tgggcatttt caacaagggg ggaacagttt aaaaattccc ccctt         655

```

<210> 176

<211> 660

<212> DNA

<213> Homo sapiens

<400> 176

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cctggtcaaa gtgggcatta ccattcaagc attactagac atcaccgtaa cgaaggctct 60
gttcacatga aactaccctt tctccattgg gggctcagac tctgctctca tccaggatcc 120
tgaactctgc tccaggcacc tgttcaaccc tctctccac ccactgcctg tcaacttca 180
gactccagtt acattgaaac aattttcagt ctaagggagg attttctacc ttccagagct 240
gacctccgac tttaagactt gacaggtatt tatcttgaaa ccagagaggg agctggagga 300
aaaaaaaaact gagcaagcac atcaatgcct tttccacctt tcttcacctt ttccacactc 360
accgactgcc attaccaaaa cgccaagcac aaccggtttg gaacaagacg cattccgttt 420
taattaaaac caactcatta tgtatttttag tgggggggaa ggggggcaca atcagggttt 480

```

tcaccaccaa attttccaca cggtttctga acaccattgc cttttaaaaa actatctttc 540
cacctccaaa atattttatt aaattttatt tattacggag gtggtattct tcctttggga 600
gccaaattgg gaaatttagg gaaccttttt tattaccggg tttttggggc gggtaaacc 660

<210> 177
<211> 459
<212> DNA
<213> Homo sapiens

<400> 177
ctttttctct tcctctgtgg aatggtgaaa gagagatgcc gtgktttgaa gagtaagatg 60
atgaaatgaw tttttaattc aagaamcatt cagaamcata ggaattaaaa cttagagaaa 120
tgatctaatt tccctgttca cacaaacttt actctttaat ctgatgattg gatattttat 180
tttagtgaaa catcatcttg ttagctaact ttaaaaaatg gatgtagaat gattaaaggt 240
tggtatgatt tttttttaat gtatcagytt gaacctagaa tattgaatta aaatgctgkc 300
tcagtatttt aaaagcaaaa aagggaatgg aggaaaattg catcttagac catttttata 360
tgcagtgtac aatttgctgg gctagaaatg agataaagat tattttattt tgktcatgyc 420
ttgkactttt ctattaaaaa cattttacga aaaaaaaaaa 459

<210> 178
<211> 720
<212> DNA
<213> Homo sapiens

<400> 178
ctgcaagctc ccactccttc catttatctt aacgcccagg ctgacttcta agctgctttt 60
cactttccta cctccactgc attttcgccc ctgataattt ttgtaagctt acctaaagcct 120
cccttctttt gagatccctt tcttaaaagg gtccattcta ttaaccctac cccatatcca 180
gttactttta ctacctgctg atctatcgct acctgttcca attcatggga attacagggt 240
gcactgggac aagagtaaaa tgatccaaca aacataatgt tgcattttaa aaaataagct 300
aaaagatact gatgactttt tataactaca acatattcgt ttgtgaataa gaacatatat 360
agtaaaaaga tgaaaatgtg aacagggttg ctatttccta aatttatggc agaaggttgt 420
tctggagagg atgggaagaa aaaatgaagg ctggcagtga tgggtgggga aatgcaacct 480
ccaaaattat ctatctatat atttttatta aaaacaccca cagtaattat ggcaaagtgt 540
aatggtttgt ttgttctaag gttttggata catttaagat ctcttgcttt ctgggtacca 600
tttcttttct tttcttttct ttttttttca aattaattcc aaaagactta tatctgctac 660
atgaagaacg aagcaagttc agctctcttg gctgaaatgt tcaaagtctt gagggcaagg 720

<210> 179
<211> 427
<212> DNA
<213> Homo sapiens

<400> 179
ctgtgaatct gtctggttct gaacttattt tttagttatt ggcaatcttt gtattactat 60
ttcaatctct tcctggttta atctaggagg gttgtatatt tccaggaatt tatccatctc 120
ttgtaagttt tctagtttat gcacataaac gtgttcatag tagccttgaa taatcttttg 180
tattttctgtg atatcagttg taatatctcc catttcattt ctaattgagc ttatttgaaa 240
cttctctctt cttggttaat cttgctaagt gtctatcagt tttatttatc ttttcaaaga 300
accagctttt tgtttcattt atcttttgta ttgtttttgt ttgtctcaat ttcathtagt 360
tctgctctga tcttcgttat ttcttttctt ctctctgggt tgggttttaga ttgttcttgg 420
tttctct 427

<210> 180
 <211> 728
 <212> DNA
 <213> Homo sapiens

<400> 180
 caaacacaaa agtcactgtg tgtgtgatgc ttctccaatt ccactcatcc tggctgccat 60
 tcatgcacta gtgcatgtat gcattttttac atttttttaa ttacaaaaat caacctatta 120
 taactgctta gatatatatg aagtaaaaaat gaaagtcttc cctttacatg acccatcccc 180
 catcattttcc ctcttttatct tatactgtca gcattcccag ctgttagcac agtgtctggc 240
 aatagtaaat cctcaaaaaa tgatcaatga ataatttaat aatgattaat aaataaatta 300
 atgatgatgg tgaagataaa ttttagcatt tattgaacgc taactacaaa ccagggagtg 360
 tggtaaatat ttataaaaaa tcaatgaatg agctaaaatg ccattctatt atttttttgg 420
 atacggttta atattttact cataaatatg cttaaagaat attataatta tatgacttag 480
 aatggtaaaa caatatgtac agcagtatcc ttttttttag aataaaaaata taaatatgtg 540
 ctcacatatg tggttggggc atgcctagaa acccgattag aacgggattt tttcttacca 600
 ccattttttt tacctgggaa aaatatggga aaattttatt tcccttcttt ttggttctaa 660
 aatttatata caggagccta tttggctttg gataaatcat tttaaaaaag gtggttttaa 720
 aaaaaaaa 728

<210> 181
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 181
 acaatccttt ggaagacact actgggcttt ggggtgctgct ttttaataat tgagttattt 60
 tgagcttgcc aagtaggatc tattgcctgg actaaaaatt atttcctaatt cttctgatga 120
 ccaagaaagg aaaaattaag tttgcagatg ggagatgaaa tatagccagc gaatatgcat 180
 actggttctg aatgaaagg aattaactttt cagtcaagaa acagtctgca tgccgtaaat 240
 tgaatttttc ctgcaactgg aatgatttgt taattctttt tgaacactgg cctttctccc 300
 caagaacact aatgaattgc taatattttt taaagaaaac tggtttttta attaggtaag 360
 ctccacttcc tcttattttt taatccctaa agaaaactgt taaaagggaa tggatctatc 420
 acgccttttc ttttaaaacc acctttttta aaaaggattt ttccaacccc caatttgctc 480
 ttatttttaa attttgaacg ccaaaagaag ggaaataaaa atttttccct taattttacc 540
 ccctta 546

<210> 182
 <211> 333
 <212> DNA
 <213> Homo sapiens

<400> 182
 ggccactctg actgggtctg ctaattcaca tgctctttgt gacatacggc tctaagaggc 60
 agaggctgga agagaagtat gtgggtttgt ggatcaagat acccaagttt cagtcttgac 120
 actgctatta cttagtcagg tgaccactgt aacttcatct tgattgagcc tcagatgtct 180
 cacctgcaaa atggagtttg aaatttgcta tggttgggtg tcacacggat taaatgaaat 240
 aatgcctgtt aagcgctat ccagcactta ataagatggc cactgcatca taatgctttg 300
 ggcacaagta acacaacatc caacccaaag ggg 333

<210> 183
 <211> 393
 <212> DNA

<213> Homo sapiens

<400> 183

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ctgaatttct tgggctttat gtggcagtgt ggtaaaaata tatgatcaga tttcactggt 60
aagaaaattc tttcagcaat acatgtagag tcaagtttct tgcattggata actgaacatg 120
tgggttatga gatttttaaaa aatgtctcgt gacaaacttt acggaaatgc aacaatctgg 180
acatctagtt ttgtctgaga gtggcgtgga tatgaagaac tgtgctgttg gtgctgatgc 240
cacactaagt tttggcagtc acactcttgg ttcttcataat ttgaggagat gggatgggtga 300
ggaggcctgt tggctttatt ttattacgtg ccaccatcta gaatacagat tcttgatat 360
ttcatcttca caaaggtgaa gctgcaaact cag 393
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<210> 184

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 74, 503, 629, 656

<223> n = A,T,C or G

<400> 184

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ccaggscawt gaggaagagr gaaagaatwt arrggstwt caaataggaa aaraggaagt 60
ccaaattggg cccntgttkg ccagataacc atgattgkkg atttagaam ccccatgwtg 120
tcagcccaaa atctccttaa gctgattaag camcttcagt aaaktctcag gataaaaaat 180
caatgtgcaa aawtcacaag crtccctatm cgamcaatam cagmcaaaca gagccaawtc 240
atgagtgrac tcttattcac aattgctagt aagagaagaa aatmcctagg aatacaactt 300
mcaagggatg tgaaggtwtct cttcaaagaa gaactacaar ccrctgctca aggaaataag 360
agaggmcmca agtaaatggg aaaagcattc tatgctcatg gataggaaga atcaatcccg 420
tgaaaatggk gatactgccc aaaataatth atagattcaa tgctatcccc atcaagctac 480
cattgacttt cttcmcgaa ttnggaaaaa tctactttac acttyatagg graccacaaa 540
agaagcccw ttagccaaga caatcctagg caaaaaagac caamcctgga ggcacacag 600
tmcytgactt cmaactatwc taccaaggny tmcrgkgmcc aaaacagcac ggkacntggg 660
mccaaaccrg acwtwtwgac cmmcagacac agaacmgagg 700
```

<210> 185

<211> 192

<212> DNA

<213> Homo sapiens

<400> 185

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ccagyccttc ttttaagtaa gcgctttttc aagctcattg tagctacaaa gtcaataaat 60
tggtctttgt tatttttacc tgaaaaggct gttaaagggt aaaatgacaa actcaaattc 120
aaagggattg gaggatttgg tgtttatgat ttctcagaac aacaatctag agaccaccag 180
ggtgggtttc ag 192
```

<210> 186

<211> 688

<212> DNA

<213> Homo sapiens

<400> 186

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gtgctggaat tcgcccttag cgtgggtcgc gccgaggtgg gatatttctt ctggatagat 60
ttcagatagg tagttccctc aaataagatt atatgggttt gcattttcaa ggcagagttg 120
```

1001754-100901

```

tatacttcct gctctttatt taaataaaaa aacttgaaaa tctgttctgc ccagtattgt 180
aagcgctcag gtacaaatat gaatgaaaca atctctgcct aagtaacaca agtataggga 240
caagattctc agtaaaattc tcacgtgaaa tttgtaactc actagacact atcaggagat 300
caataattat gtaattaaaa aaaataatta cctgccaaac tgggttcttc tttggcactt 360
ctgcttggtt ttaagacaat tctcacatag aagcttatta ttccccatta gtcattccat 420
agatgtaaaa ctggtagaaa caggacttga attgaacatt ctttacaagt aagttatata 480
gcttctgaaa aaagggcttg aaaaagcatt tttggggact ataagaacct tcaaagtctt 540
tcccctctta acaaacctta aaattatatt gaaaataatt taagggggct gattttctct 600
tgtcaaaatc ttgaacccca cttaccaggt gggttggtcaa accaaagttc aaaaaaagc 660
ttctggcctt tcctttatcc cacttgca 688

```

<210> 187

<211> 779

<212> DNA

<213> Homo sapiens

<400> 187

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gcaaaaaaca gatacatttt cagtgtttaa aaatgaacaa gtatggaaag gcttatacag 60
taactgaaaa gtctcctttg ggaagccaag gtgggaggat tgcttgaggt caggagttca 120
agaccagccc aagcaacatg gcgagacccc atctctacaa aaaattaaaa aatcagccag 180
gcatggcgga catacttgta gtagtaacta catgggaggc tgaggcgagg ggatcacttg 240
agtccgagag tttgaggctg cagtgagccg caacgcgccc tgtactccag cctgggcaac 300
agagcaagat gctgctctaa aagaaatttt cttttaaaga aaaaagtctc cctcatagcc 360
tgttctacaa aagtcctatt tcttcccaca aaaagcctct ggtacctggt gttagttctt 420
ggggtggaag attactttta aaaatagaac tattttttaa gtatatcttt tagggaactt 480
tagttcccga agcttttaga aatgggatct tgaaaacaaa agggatttca atacctatga 540
caatgcttaa agaattattg gggcatttat ttttcaatgg aggggtccaca aatctttgga 600
aacccttggc caattaccag aagccacttt aatttttgac cgaaaatgtt tttaaaaatt 660
ggcttttgga aaaactgtct ctttcccaa aaatgaaaac cttgaaaaaa aggggaattt 720
ttaaggttgc cccctcatta aattttaacc cctctgaaag aaaaccctct tgtgacagg 779

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<210> 188

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 307

<223> n = A,T,C or G

<400> 188

```

ggcgamgtct ggycaccatc atgcccttta atcaactcac acctgtttaa agagtgtttc 60
tgatttgacc ttcattccctt agtttactgg cgttaaaaaa agtctcagca attttcatta 120
tttctcgtgg gtctcattat caaaccttta cttatttcgg catatttcct ctgggcttct 180
tctagtttct gccttacaa gcaatgctgtt ctgtaaattt attgaaacct ctggaacatt 240
tcacctttag agatggagga tggaaggatt ggyaccagaa gagggctaag atacgttytc 300
tgtcttngag ctgaaagcac agyctactct ccttcgtttt gycgatgaga aaagttgagg 360
ccagaaggga ggtgacatgt ttagagtcac ccag 394

```

<210> 189

<211> 681

<212> DNA

<213> Homo sapiens

<400> 189
aagttctgac tttggtctat aaaacagggg tattggctgt ggctgcactc aatatctaaa 60
aagttattag gaagtgcctc gttattgtca ttaaagatat ctaaatatgg tagaccaaag 120
gttggtgaga aacacatatt atggactgag ttctgtttct tctgctgtgg cgcacctaa 180
ctcaagcctt ccttctctcc ctcccccttct ggccggcatg gtatctgagc tcacagacag 240
acaaggcatg ttagaatcat cagatcatga gcaccgtgct gggatttagc cctctccaaa 300
gtcaattctt acagtccata ctttgcttaa atcctcagtt gttgaggtct gctctgctgt 360
cagtaatccc agctataaat ttcccccaaa tgtggggcct agataaagta gaagggtgat 420
ggactcagct tattttcatg ggatgacagg aactggaaa agaaagggca ttgaaaataa 480
aaagttattc cagaatagca ttaaccctct tactgttcaa gaattaagaa agcctactta 540
gaaatgaggg ccttgagaat gatacccaaa tattggtctt tctacaaaa aatggccttt 600
ccaaatatct gctttcctgt tcccccaatt gctttttaag tagaattaag ttacctaaaa 660
ctttacctga aggggtggtt t 681

<210> 190
<211> 839
<212> DNA
<213> Homo sapiens

<400> 190
caaatatcatg atttccattg gcatagactc ttctatagtc tctcaggcac accttatgac 60
taataagaac actgtcttct agatataagc caagtttttag gagttatctt tgtagtttct 120
gtgttgagac tatgggtctt ccctgtgcaa agacttgatt agcaaatact atttgaaacg 180
atcccaaatt catagtgcag ttgaccaccc ttctgatcaa ggggatctct gtatatccca 240
tgaaagcttc atagggtctca ccctagatta agtgcttcac ttctcaagac agtgaacaga 300
tggaagactt ttgtagttat cattatacaa ctgtgccctg tgtgttttat tatacaacca 360
gagaactgag gcactggctt tacctgtcag ctacgccagg ggtgtgacgt catctttctg 420
acttgatcac acatgccaca ttgcttaata ttccaagctt agactgaaat aatcctgtgg 480
taaaaaattt ttgggggggt ggggaggtaa agaacaaggg ggggaacttt ggaatatttt 540
tattcattaa tcatatttcc cgaattgtat tttattttga aatgaccata agggacttaa 600
atacgtattg tggttaaatt aaatggaccc aaatggaggt aagtaaacct aatgggacaa 660
atgaataaaa ggtttatgac tgggagcatt taccatgaa cctccttaga agctatttaa 720
cctttctttt ggaaagccct gaaggctggg aacttaaatt ttaaagacag tacctatttc 780
cagaatcgct tccaaatggc catgttttaa agggccaaca ttttgggatg gccctgccc 839

<210> 191
<211> 697
<212> DNA
<213> Homo sapiens

<400> 191
ccatcctgaa tactgatttt ctaatggaac tctattcaat ggcgattgta aaacctgag 60
gtccggttac tattatggag catactttca tctcattctc ggctattggg caatatgtat 120
ctcataagat tttatcacat ttcacagatg aactgttaat tgattccatg ggtacgatta 180
ggcgagatcc aagctggagc tgcagctctg agtccataa attctttgtg cttctgtaa 240
gaataaatct gtttttaatg caaattaaaa ctactggcag ggaatttttg ctccagtta 300
ttaaaagact ggaaatgtgt aagtggagaa aggcaataac tgcagtaatc tcttaccgga 360
ctctattata attccaaaca tacataatgg tgagaaaaac cggaaggga agaattgtggc 420
aatgtccact ctttgcccca aacataaccc ttaatttcca tggcgggcc aaacactgg 480
aaaaacaaa atggtaccct ctatagcatg caacttttat ttcactccaa acgaaaaatt 540
attttgacta tggcttggga aatccattag tagaagaagt ttataacct ataggaaccc 600
ggccatttca tttctaccaa atcacaggaa ttttagaatg ggcaaggaa ttacaggaag 660
acttgcccaa ttatctttt ttgggggact aaacca 697

<210> 192
 <211> 687
 <212> DNA
 <213> Homo sapiens

<400> 192
 ctggttacta tagctttgta gtataattta aagtcaggta atgtgattct tccagttttg 60
 ttattttctgc ttaggatagc tttggctatt ctggatcggt tgtggttcca tataaatttt 120
 aggatagttt tttgctatct ctgtgaagag tgtcattggg actttgatag ggattgcatt 180
 gaatctgaag attgcttttg gtagtatgaa cattttaaca atattgattc ttccgattaa 240
 tgaacatgga atgtttttcc tttatttggc gctctcttta atttccttca tcagtgggtt 300
 ataggtttca ttatagagat ctttccttct tttgggtaat tcctacgtat ttaatttatg 360
 tatcgctatt gctaaatgga atgacttttt aaatttcttt ttcacattgc tcctgggtggc 420
 atattaaaag ctactgatgg atggtgattt tggattctgc cactttactg gaattgggtg 480
 atcagttcta atcgttttct tatgcacccc tttacgggtt ctacatgtaa gaatatatca 540
 ccttcaaaca cggataattt gacttcttcc ccatccaatt gggaggccct ttatatcttc 600
 tcttggcctg aaggctctac ttaaaacttc ttatcccttt gttggaataa cagtggggac 660
 aaatggacat cccttgtcat ggtccca 687

<210> 193
 <211> 493
 <212> DNA
 <213> Homo sapiens

<400> 193
 ctgctaaaat gatgttgcta aagcattcct ttttcttttg attaaacttc atgtttacaa 60
 aaaaattaat tctagcagaa taacgaatgg ttttgttttc tagttctctg ctgaatgaac 120
 agttttgccca attatcttca tagagtagtg atataatgaa tgcaacctca aatgcaaacc 180
 aaccaattca cagtccatac cccaatcact tccttcatca gcctcaaaaa tcgctaagt 240
 aaccagtaga atggttttgg agcagtaata ggaaagcaaa tagaaagtca agggggactt 300
 tcaacgcaa caagaccaat tcagatcctg atctgactgg tttctaatac aatctctttc 360
 cagagtaatg gagcatgagt ctgccacaca gaactttaga gagagtcctt tatttcaaag 420
 actgtaaagt tggaagaatt cattcatctg caaagtcaaa tgtcaaaagt tgtgcttccc 480
 actcctcatc agg 493

<210> 194
 <211> 424
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 9, 12, 17, 30, 179, 187, 265
 <223> n = A,T,C or G

<400> 194
 cyagggcant ttagcangas aaggaaatan mggggattca attaggggaac wraggakarw 60
 caagttgtcc stgtmtgcag atgmsgtgat tgtatatcta gamcacccca ttgtctcagc 120
 ccaaaatctc cytaagttga taagcawctt cagcarmgtc tcasgatscr acmtcwatns 180
 gcraaantca cmwgcattct tatacaccaa tawcagacaa acagagagcc aatcatgag 240
 tgaactccca ttcacaattg ctachmaaga gaataaaata cctaggaatc caacatacaa 300
 gggatgtgaa ggacctcttc aaggagaact acmaaccact gctcaaggaa ataaaagagg 360
 atmcaamcaa atggaagaac attccatgct catgggtagg aagaatcaat atccgkgaag 420

424

```
<400> 195  
tgaacaccct tnggaaggaa cctgctcgna tgtannanaa anggaccgga cagtctgcta 60  
aaatcgcctt cttagagcgc ggcgcgcggg gccagagttt ttctctggtg ctttgacctg 120  
tatttggttt aatggttttg tcctaatactc ttcaatcaat aaaattgtgc gtattttaact 180  
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 229
```

<400>	196								
gcggtggctc	atgcctgtaa	tcccaccact	ttgggaggct	gaggtgggca	gatcacttca	60			
agttgagagt	ttgagaccag	cctgggcaac	ataacaaagt	gagatcttat	ctctacaaaa	120			
aaattaaaca	aacaaaaaaa	caaatcaaca	ttcatttgca	gggctctttg	gtcttcttaa	180			
agaacaaaca	tatgaaataa	ataagctgat	tcttaaagat	aacaaatata	atgagctttc	240			
tcaactgtaa	aagcatctct	aagttgttct	atcaatgcat	atccactcca	tgaactaacc	300			
tgaagaaagt	gttgaccatt	ctaccaattt	aactgtaaac	taagattgct	ttaatggttt	360			
gcctaaattt	gagtaccttt	aaattttttg	tttttatcca	aattcattct	cccttcttca	420			
aattaaaatg	ttttgttaga	aatcgataaa	gcaagatgta	cttttttagaa	agggcaatag	480			
aatcctacaa	catgctagaa	tttgaaatgt	ttttttaaat	cagtmmtttc	tctatgctag	540			
taactaagaa	aattata					557			

<400>	197						
ttttactacc	tatattttaa	atgatccctg	acgcccctca	agacaaatat	attaattttt	60	
ttactttgtg	ggatagagat	cagaaaaaga	gtagagatga	aaatactgga	gaaacaatgc	120	
aggagatatt	tatgaggtga	gaatgtcaag	aaacttgtaa	agggagaata	ctataatgac	180	
ccctgaagag	agagcttttag	accagttgag	tatttagaggt	tgccacgtgg	ctattcatcc	240	
actaataaat	acaagaaaatt	actaaaaatg	aagccactgg	aaatatgttt	tgagggaaggt	300	
gagaatgtgg	acctattata	aatgggtgaa	tatgattttc	ttctcattaa	gttcataaat	360	
aacttttcaga	catgtaacag	tttatgaagt	gtgccgtagt	catttagtat	aagttttata	420	
cacaaaagtg	tttttactaa	gactgtcaca	ggttcttttg	tgaatcttgt	ttgtttttcc	480	
tcattgtaaa	tactgtcaata	gaacatttgt	gtcttaacat	aaggcaataa	atgaccttaa	540	
gaaccttcac	ttttatatag	aaagtggagg	aaaagttggc	agagtaattt	gttgattata	600	
gataaaaagct	cttgtagaaa	ttgg				624	

<210> 198

<211> 175
 <212> DNA
 <213> Homo sapiens

<400> 198
 tttttttttt tttttttttt ctaacactta tgcattttatt ttcattgtgta agaagaaaaa 60
 cgtaactagc acgtgaacat gactgcatgg atacacggct cagcacgagg cttaaagtcag 120
 aagtgaagtga aagcaaaacc gcatgttgat ttaagtgaat taacagaaca gaaaa 175

<210> 199
 <211> 871
 <212> DNA
 <213> Homo sapiens

<400> 199
 ctgttgatca atgatgagct cccaagagta accagcctct atatagtcag catcactggg 60
 ttctcaggaa aagcatcacc attgttcac tttgtgcaaa atgtatgcac aagtatcttt 120
 ttatttttaa aaaagccctg acattttatg actgctgctt ttctaagata ttttcaaata 180
 tacagtccat acggttcaga cacaatggac tggggataga gacggctata gtgccgataa 240
 tggagaaact agccagagct tcagatattt gttttccagg acatctcaat aattgggtac 300
 acctcacaat atgtgagact tgacgtcgag tggcacggca tactctggcg caggcacttg 360
 ataaagactg tgtttgcaaa tacttagcct gcacttcaag ataccaggca tctaagcacg 420
 tcccagatgg tgacagttaa tcttcaaaaa accctatgtg gaagtattat cattgtcctc 480
 attttacaga tgaggaaaaa gagacacagg gatgtcaata tcttcctcaa ggtcacacag 540
 caagtaagtg atggaacagt ggctcagcca tgaagctatt gctgttaacc actaggttga 600
 tttgccttca ttaattttctt cctaaaactg cacatttccc gttagtccct ctttttggtc 660
 tgtcgtttga ctcttggtta ctgcttagag gaagattcat tctattattt tctaacttag 720
 taaatatgtg caactccttg gggacatgac caggcaaaag ctggatacag aaatgtatgc 780
 ccaaacacca tccaagtta cccctaacag gtcttttctg gaccctgttt gtaagggggg 840
 tatatttgga aaaattttta aaattttctg g 871

<210> 200
 <211> 737
 <212> DNA
 <213> Homo sapiens

<400> 200
 gacattttga aggtaacagc aatatctgtg tatagatggg gttgtgggtt tgttatttat 60
 ctgctattgc tgaactatcc tttgtcttga gcgataaaag agaagtaaaa tactaaagaa 120
 ctgaactgtc catttctgga ccatgagtaa agatgctggc tgtcaaactt cctgttcata 180
 cattagttta tttatagagt gtactctcta tgtaaggat tgactgataa tgttactttg 240
 acttcagata gcttgaggtt taatggagga agaagacaaa catgcaaata actaggtcaa 300
 tgaggcatcc tttgtgttcc attggaagct aggctgcttt gtaaccttgt taatttctgt 360
 ggttttggag tgcattcatt agcaaataca ccccttggtc ttatccattc tctgcttttt 420
 tctttatttg gcatttgatg acattttttc atgtggggaa attgagtcag gtgaggtgga 480
 aagaaaataa ggacacgaca cttaaattctt tgatgttttt ccttaaaaaa ttgtttttca 540
 agtgctccat aaagggttgt gaagttttta gagccatagg acttgatta ttgtgaaaga 600
 gtgtctctag ggggccaggt taaaccattt caaggactct ccttctctca tctcccttgt 660
 tccaccagc gtggcgaccc ccaaaaagca caaagcctcc ctttcttcat gggaagggtg 720
 aggaacggaa gggaacc 737

<210> 201
 <211> 493
 <212> DNA

```
<400> 204  
gtagacaagt acagcagatc cagacaccag atctagctag gctaaaatgta cagtatctaa 60  
cttgatctga actgaacctg tattcccttga tgatgcctaa aactacatcc atagaattct 120  
ggtgaacctg taatacagtt ctgaaagtac agttttatat aataagatgc tgatctcttt 180  
attctttcaa gtaagagtgc tagagaacaa attgtgttac ttgccttggg atttattgaa 240
```


275

```
<210> 205
<211> 694
<212> DNA
<213> Homo sapiens
```

<400>	205						
ctgttcctgt	acatttaact	gaaaaaaaaag	taacttaaaa	taatataaaa	atagcactca	60	
tgtatgtcct	acagttatag	gtgaaatttg	atattgtttg	tcttacatag	catacctata	120	
gacagcttaa	gtaaagtgac	tgttaagagg	gttatgctta	ttgatgaact	cttgtagtgt	180	
cttaccagct	ctgttagtat	agttaaattg	atctcagtag	cttcaagtat	ttataaaatg	240	
gttgaagtcc	aaatacatgt	gataattaca	atacactttg	aattaatgga	gggtgggagg	300	
ctagttgaaa	tgcattttat	ttaccaaggg	agtatgttaa	aatgatagtt	ataaatgttg	360	
gaagttttaa	gcaagatact	cagtttagtt	ctttacaaat	cataagaaga	acaaaattag	420	
atgttgacat	tgctatttta	ggctgtgtgt	tttccatatg	cttcttgctt	tcctgtcac	480	
aggtgggtgc	agcaatattg	gtgtgatgtg	ggttatgctg	gcaccactcg	cacacaggcg	540	
cacaatgggt	ttagctgggc	agaaagagtg	gcatctctgg	ctaccgggct	gggggcgacc	600	
ttaccatag	gatgaagtaa	ccttgcattc	ggctgcaagg	tgtactgtac	cgtacacagg	660	
tqctgggtcg	atggccactt	tctgcttttc	tttc			694	

```
<210> 206
<211> 704
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 12  
<223> n = A,T,C or G
```

<400>	206									
ttttttttt	gnaaaacag	ggtttcatca	tgtttgccag	gctagtctca	aactgctgac	60				
ctcaggggat	ttgccgcct	caccaatttc	aactttcgta	agtcagtatt	taccatctaa	120				
ctcagtgtcc	caaaatttaa	aatttccttg	cactttacag	caaaaataca	tattgggggct	180				
ctactgaagc	aatatataca	tgtcaaaact	aaaaatcaga	aaagcaaaag	ggtccattca	240				
acatatagca	gcttatattt	aaatatgtac	aggatatgat	gttttcacag	ttagatcttt	300				
aaaaaaattt	atatttgata	tgttcaaaaa	tacttctatt	ggctataaat	aatatatttaa	360				
aaagctcaact	gatcaaaatg	cattccaaga	acatatcaaa	ttaataaat	cttctacgtc	420				
tttaaaaaaca	gataattgaa	gtcagtaaag	cttgaggttt	gtgttaaagt	tattctgtca	480				
gtccctacta	ctagggaag	cagaattctc	taaatacgat	acgaaagaaa	ctcccaaagc	540				
ttggaaggaa	tcggcagctc	ctgaactttt	tggggggggc	atccctcttc	gggattgaca	600				
tgcacataaa	atgttgcaag	ctaagggacc	ccccccgggg	gagtgggccc	caaaaaaaaa	660				
cacaccttcc	ccgtcaatgg	tgggtccccc	accaacctta	aaaa		704				

```
<210> 207
<211> 225
<212> DNA
<213> Homo sapiens
```

```
<400> 207
ccattttaac tgtactgcc atagaattct ggaattgtgg aaaattgtat cattgaagtt 60
cagtaggatg tgtggcttaa aaatttatca ggaccacaaa aaagaaaaca aaaatatttg 120
gtactgaggt tcattgccag ggcaggaggt atttcagaa aatactcatg cctgtgttct 180
```

225

```
<220>  
<221> misc_feature  
<222> 382, 391  
<223> n = A,T,C or G
```

```
<220>  
<221> misc_feature  
<222> 366, 399, 406  
<223> n = A,T,C or G
```

<210>	210
<211>	277
<212>	DNA

<213> Homo sapiens

<400> 210

```
tccatgtatt tttatacaga atggaacaat atgtatgtat gcaatykttta cattccacca 60
tgaaataaaa cagtataatg aaaataacaa tagattcaaa caatgatatg ctatTTTTTT 120
ttacctatga cattggcaag gtcttcttaa aaaatctgcg aataaccgat gttggagaga 180
tcatggggaa atagccactc aaatgttact catgagagtg tacatatgtg taacttcact 240
tggagggcaa tttggtgata catttaaaaa gtttttg 277
```

<210> 211

<211> 715

<212> DNA

<213> Homo sapiens

<400> 211

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gtggtagaaa tactaatttt gcaattacag aaaaaaacia atgccattca catgggttyct 60
aacaaaaagt gtctgaccac cccaccccc caccctcaa aaagccctta aataaagagg 120
aagatcaaaa gaaaacaaaa taattcccga gtttcacctc atacatacaa tatagcacag 180
gaagtggcaa agtttaaaat aatgccttta ctgtaggac tagtatgctg tcaaaagcca 240
caatcctttt gttttagtga gttgattttc aatagaaaaa tacaatgaa catgtgttta 300
agttccaaca tggattgagc acctctgaat ttagtatcaa atgattaatt ttatTTTTTca 360
gatgtcaaat cttagtataa aattttccat tattttaaac ttcacttgaa tctttaaaaa 420
agctgtctaa attgtactat atgagttcag tttaatcttc tgtaaaatgc taacaaattg 480
aactgtcagc agtcttttaa aaaaaaatgg gggctgggtt atttctagaa gaactctcat 540
taagctttga aaatcagaaa tcagagacaa ataacttcag atatagacta gctccacaag 600
caaatttata caattatctg taacagtcta tacatatatg tgtatatata tataccgtaa 660
ccactttcat aggtaaaaaa tattaacttc atgtcacact atgacagaa gtata 715
```

<210> 212

<211> 717

<212> DNA

<213> Homo sapiens

<400> 212

```
agcctcccc aatgccttaa aaggtcacag tagatctcag ctctgaacag aaactcaact 60
gaaactcttc ccacaaccca gcagtagata tattaiaaacc tacaattttc agggatacaa 120
ccaatattta attcttttga gggttttgtg tttatacaaa ggacacaaac acacgtataa 180
aatgacgatg tcaatactga ttaaacagaa caacaaaata agaagctcaa attatcatca 240
gctattgtgt atatctgaaa taacaataat gcacttgatt ctgaaagaat gatttagagtt 300
cctactctga aaatctaatt gtcttgatgt ggcaagtga gaagaaagga tgatttttct 360
aatgaaaagc atgtatacgg gtagcccttt gcgagattct gtcaaaaccc tgaattttgc 420
attagctgtt ttaccaccca aacgttttta cccgaggatg tgcagcaatg ggaactctca 480
tacactgctt gtgggaatat aaatcagtat aaccactttg gaaaaccatt taacattgtc 540
aactacagct ctacacacaa gtgctataac caccatttcc actccagggt atacacccta 600
aaaatatgaa gtgcccattg ctacccaaaa ggccgcctaa aagggaatgct tttgagaagg 660
gttaaccttg ttaattagtg gcaaaactgg gaaaacaacc cccaaatggt cccatcc 717
```

<210> 213

<211> 599

<212> DNA

<213> Homo sapiens

<400> 213

```
cctgttttgg cgaggcagga gggaagcggg atgggagtg tggtaggcc aagggtagtt 60
```

```

caaagcgatt cagcaggatg atgaccacag gagtgctgga gccgggcctt tcagcccccg 120
tgtggatgat gaccggccat ccaggacatg cgagggcctg ggacagtgga cagccagtgc 180
cacacaagga aggaccgatt aaatgacaca gttaaaggaa tttggcctag ggagtgaag 240
ccagaaaggt ttggtctttt tatatatgta acattggaaa aaaggaacat ctctgttcc 300
ctgtattaag ttttgacttt agctcagcaa atgcagtgtt tgtggcagta aatatactct 360
gataacaatg ttctttccca ggaatttaga gttttatgat ggttattgaa aatggtttaca 420
tgacaggctg tcaataatat tttttgcctc taaaaataaa acatacataa agtgtaacgga 480
ttttaagtat gcaactcact gaacttttca taccgtaata caccacccta gtaaccctcc 540
cccagttcaa gatgtagact gtttccaata acccctcatc ctgttcctta atagcccc 599

```

```

<210> 214
<211> 789
<212> DNA
<213> Homo sapiens

```

```

<400> 214
ccttatgaca aaccttgcta tgccaaggat atgcttcaot atcttcatct atcaaaacac 60
tatgcatcat agatatctaa ttttttcata tcttgcata agtctttcct gatttccctc 120
tgctgaaatt tctctcttca aatgatgtgt ttccatagta ctttgtccct tttcaaagat 180
atatctcaca tcgcatattt taccacagtt agtttcattt cttaactctc aacttagatt 240
acaaagtcaa tatagacaaa gaaatgttca accttatata acctcctctg cctatgctgg 300
taaatgtcac ctactatgtg ttcaataaga gcttgtcttt ttcaatatac aaaactttgt 360
aaagattaaa gaccttgtag aaagtcaaga ggaagatagc aatttcactt ctaagaactt 420
accctaagga aacattcatg aagagataca aggggttatg tgcatggatg ttcattatca 480
tattattott cattatgaag attatgatgg taataatgaa aatgattatc ttgtattggg 540
ccttatttga agtcaagcat tgagaatgta ctttatctgc attatctcac tgagttctcg 600
tagcagccct ataaggatca gactgttata taagcttaaa aaaataaagt taatgtccaa 660
ggtcaaacaa ctagtaaaag aaggggggcta ggaaatttgg aaccccaaaa ggggcaacct 720
ctcaagggct atgaatcctt accattatta taaggaaagct tggcccatgg tggcccaaaa 780
aaaaccggg
789

```

```

<210> 215
<211> 765
<212> DNA
<213> Homo sapiens

```

```

<400> 215
ggatgtctga gcaggagaga gaccatgtga aggatggact gaatggagac ttgtatcaaa 60
gagtctgagt atcaaagact tgtattagag aggggtgttg tagtaatcta gtcagggtat 120
gagaaatggt ttgtattaga gtgtcaggag tagtcgtggc aaaaatatat agatcaggat 180
gagggatggg cctcatctca caccctgact ccagtcaatg gcagtggctc cctggagtag 240
actactatag gaaggatttt gttaaagttt gtctggcctc agtggagggt gaggtagggg 300
aggagttcta tgaacagtta gtggtgtctg ccattggtga aacaatggag aagggggaca 360
ccttttctgt gcagatgttg cttctggtag atataatcca caatgtaatg ggagaagtac 420
taagaatcag taaattatgg aggggtgtaa agactactga tatttaagcc tgcggaccgg 480
acttagagaa atgatagtta aaggagaaat atccagcaaa caaagatatg acattgaagt 540
ttgggactgc gattagtacc agagatttgg attggagggt atttgtatag aatggatagg 600
tgattttact cttgcaattt ggattgaggg gtggggaaaa ccagaaaggg gctggggggg 660
aaattagtag aaggtcacct tgaattcatt gtggtccata tcaatgctga aactgattgg 720
ggaacttttt actcttgagt ccctttgtaa gggaacccca gaaag
765

```

```

<210> 216
<211> 780
<212> DNA

```

<213> Homo sapiens

<400> 216

```
cctttttctg tggcaaatgg aggccttttca ctgcctgtag agacaataca gtaagcatag 60
ttaaggggtg ggtcagaaca tgttaagata acttactgta tatgtattcc cttgtatttt 120
gttaaagctg gaacatttga tattttttcca tttatttatg aaaaaatatg aacctatttt 180
cattttgtaca aggtaattgt tttttaaagc aagtcacctt aggggtggctt taattgtata 240
agtcaagcac atgtaataaa ttcaaaacct gcagttaaca ggatattaga catcaatcct 300
ggtaacccaa tattaagat tctcttttaa aaagactgaa catgtttaca ggtttgaatt 360
aggctaaaag gtcttgacgt ggcttttcat ggcccttcaa attggaatgg aactactgta 420
ctttgccatt tttctataaa tcagtacttt ttttttaatt ttgatataca ttgtgtgaaa 480
aaagaaaatg gctaataaac tgtattaaat cttaaacaat gtataaagat tgcacttagc 540
cagttcaaag tgtatactta ttcataatga attataacag ttatatttct gtgttttctt 600
gtaaatgttt cttttccctt aaatacacat aattcatttg tattgcttat tttattatga 660
gctacaacaa aaggacttca ggaacaagta atgtattagt atggttcaag attgttgata 720
ggaactgtct caaaaggatg gtggttattt taaatataaa tagctaattg ggggtgtaaa 780
```

<210> 217

<211> 810

<212> DNA

<213> Homo sapiens

<400> 217

```
cttttaggca gcccggcacc ttcattccata ggcagagaga gaactgggtg ttggagactt 60
attcgagggt ataggaaggg ccctgtgaag ttgatttaac ttttggatgt cagactgtga 120
aagctcctga gaaacttggt gtaataggat cttcttttgg ggatgaaaat ggggaaggcg 180
tgaggacctt gactacttct ccctaggtca gaaaaagaga attaccctt gacaaatatg 240
atacctgcta ggtattttcc agggaaattt agggattggc gtctttccct agcatgtgga 300
ggaattggca gacagcttcc taaggcgggg gagcgggggc ccaaggctga cactgcttgc 360
atccacgtga ccttaagtta tggcagatga ccttgaaacg gactgaggcc aatgagaaca 420
gatggatgga gcaactcagg tagacttggt ccttctccta tgctggagga gagggatggg 480
tctctagaat gttggagggt agttgagagc tcgcctcttg aatgttgaac agtgtactct 540
tctgaaaact gcataattcac tttatgtggt ttcagaatac tgggctcaat actaacataa 600
gaaagacact tcattgagaa attcttaagc ttacagaaaa cctatctctt tgcacattcc 660
acataacccc tagcaaaatg caggttcttc atacttctgt cctttttcca ttggaagaat 720
tgcttaagga aaaattaatt cctatttatt cccacaaaag gttgggcatt gctttgattt 780
taccatggtg gggaatgtgc ctttgaattt
```

<210> 218

<211> 817

<212> DNA

<213> Homo sapiens

<400> 218

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ctgctccctt atggaggtct cttcattaat aattattgga tagatagaga aggtgagcct 60
gtggctttcca agtaccggct tttgctgaag gtctacatgg gaagaagagc atcatttgat 120
attcagtaga tctgccacac ccaactggct ccatctcctg gaaaacagca ctactacaa 180
gcaactgtaa tagcaccag caatgaccac gctgctcctg ctggctcttc cgtacaccag 240
taaatagaact caccaatgta ttgcacacat acatttcaca gtagtacaat aaagccctgt 300
atcaggagtg gtaattcaat gacttgactc tatagtgcac tgcagcttta tgcatacca 360
acattcaaat attcaaata cttccaatc catttgagca aaaatacacc atggctgcca 420
agacacatgt atttttcttt cttccatgga ctctaaact gctcccacaa tcagcagtg 480
tcttctctca gaaattatct taagcttctc tactcaatgg gaggtacaca cagagacctg 540
```

```
<210> 219
<211> 661
<212> DNA
<213> Homo sapiens
```

```
<210> 220
<211> 792
<212> DNA
<213> Homo sapiens
```

<400>	220						
cctcttttta	ttcctacaaa	taattttcaa	gtacacacaa	ttgggtaaac	aaagaaacaa	60	
agccaccaag	aatgaaaatc	agtaggaata	acgaacaaga	ctcacagatg	tcaaacaagt	120	
ctgtgggtct	tgcagacttc	agatgtttga	attattagtc	gtggcaagng	nncaaaacat	180	
tagctattac	cattatgttt	accaactagt	gaagtgaact	atgagaggat	atattaacca	240	
cagaagttaa	tagaagaata	gactcctgaa	aatatctgga	tgctacaaac	taaaatatag	300	
tatataatcc	ttcatagagt	gtcagtgact	tcatatttat	aattacattt	ttgtatatata	360	
gcagtgttct	agtctttact	gccttatctt	taagctgann	nnaaataaaa	ttatatatttg	420	
ggattcaaaa	acacatagct	aatgattact	atgtggcagt	gttacattac	tttatccatc	480	
atcattaaca	taatctgcgt	gtgtttcaag	agatcttcac	acttctttgt	agctccact	540	
tctttgtcgt	ttttgtagct	ccacaacat	ctagaacagc	acaaccgtat	atggagaaaa	600	
ctcagctctg	tattcgttga	atgactaatg	gaaaatttag	ttnataaaca	gaactttctt	660	
cattgnacaa	attatcttgc	agaagaataa	tggccttagt	ttaaaattat	catattttacc	720	
catntcncca	ngttatttta	tctcttttgg	ctaanaattt	tgaaaacggt	acctttttacc	780	
ctttggcatt	tt					792	

<210> 221
<211> 759

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 245
<223> n = A,T,C or G

<400> 221
cttttctgct gctccgggag gtggagtggc ctggcagagg gcacatggct gccacctgct 60
gcaaggaaaa ttctcagtga agactcctca gtatgaagga gataagcctg cacaatcagt 120
cactgataga tgcttagtgg aaaaacttcc aattcccatt tacagctctc agagctagga 180
ttaaaaaactc ctggtcataa actcatgtga tgagaagtta tagcacgccc tcattttcta 240
catanccact tgcatttatg gttggctttt gaacttgcta gaagggaag aagtgcaaat 300
gtgtcctcct tagagctact ctctccctt tgggtgggtt ccagtttgtg cattgtccag 360
atggcccagg agctgacgat caaagggaag aagtcattgt tgtcatgaga atgctttgct 420
gcatcaggat tcagtgaagc tgttcaccgc ctggagccca tgcagcctca agaggcagga 480
tgagagctcag aaaccatcac tgaggttaga aagtgagcac caaagttgag ggaagcccac 540
aggagtgagc cgaagtgtct cctttggatt tccaaagtgg gtgctgctgc ttcttccatc 600
agccttgctt ctgaccccaa tgcgttctct gtgccttctt cttggcattt tgctgtcggg 660
ggcccaagga aaaaaattcc tgcattggcag tggtgaaaaa agatggctgc ctgctgaaac 720
ctgatttggc ctgggtaagc cttttggagc cccggttaa 759

<210> 222
<211> 699
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 5, 7, 77, 81, 84, 85, 278, 289, 291, 298, 301, 368, 395,
433, 441, 508, 569, 633, 646, 667
<223> n = A,T,C or G

<400> 222
ccttntnaag agttggcatt aattcttcac taaatgtagg agtagaattt atcaggtaag 60
ccacactgac ctctggcnct nttnnccgccc gatgattttt aattagttga atccctttac 120
ttgttatata tgtattcata tattctgttc cttcttggat ttacttttat gattgggtgc 180
tattgaggta tttattttcta gtttgtggta cttcatgtgt ttaggttttc tagacagtgg 240
acatagaaga ttcaagaagc taaatgtagg agaatgtnta atgtaggana ntgaggcnac 300
natatcatca atgaatgact tgaagtttcc tctgttgtaa agaatgatat taccataact 360
gccatagnta atattgatgg tgtaagtcaa ataanaaggc aggaggaaaag ggacatccat 420
cactgaacca canatcagag nctcattgaa gcctttgaga agaatccaca aaattttaca 480
ggataattca tttcctgcga tcaccacnag aagagaaaact ggttaaacag acaggtattc 540
cagagtccaa aaattttacat ttggtttcng aaccaaagac ctcagctccc aggccacagc 600
aaaagggggc ttatgaattc cctggcaccc agncccaaga cccaanaacc tcattctgat 660
tggtttnggg cttgggaaac caaaaaacca atgggtggc 699

<210> 223
<211> 598
<212> DNA
<213> Homo sapiens

<400> 223

```

aaaaagagaa agtttcagat ttgccattca aggcttattt atatatatgt gtgtgtatat 60
aaatacatgc acacacttgc atacatatat atttttggct gggggagtggt gagttttgcc 120
tttctaaggg agggaccgcg caggctcctt tgttctgtat tctggcggag atgggtcctg 180
gccttggtgc actggcttat ccttaaagat catctcccat cctccccagc gccatctgtg 240
tgcagcaacc agaaagggat gaacttggcc ctcttgcggt cctggacaag gtctcttcct 300
taccctttct gttgccagtc agcaacctgt aactcacatt ctcttcccag tgaatccctg 360
ggagcgcctg accctggtgg gctgttcagc ttctgtctgc tggggccagc aatttttgag 420
gatttatctt taggccaggc ttgcctcctg acttatccct gctctcccat ttctctcttg 480
tttgagagag aatgaggaag caaagagtga gaaagaatag gggctgaaga cgccactccc 540
agatggctct ttctatcctg ctcttctgtt gaaacacacg tgctgtgggc ctgaggcg 598

```

<210> 224

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 479

<223> n = A,T,C or G

<400> 224

```

aaacctttat gatgacttcc ttatgaatta ctgaacgaac actggaatgg gactcaggta 60
tcctgaggac atctctcaac tctggcctta gttccccctc tgtaaaatta gggtgccaac 120
taaatagatct acaagggtccc ttccagcgcc gccattctgt aattacatca tgtgtaactg 180
tattaaacat acacaagtga ctgccaggca tgggaatgta acttccgagt aaatgctttg 240
gtttgttcag aatacactat gaacttcttt ccaaagacgg gttgtggtaa atagtggata 300
ttttgattat aagaaataga gtttccttga agcttttagct ggagatacag caatagtgtg 360
gtgttcctac aaatatcaca gtgtattcaa acatatcttt ctatcaaaaa tcattttttgt 420
aaaagctgtg tgttttttatc caacttgtga taataaatgt tctttatttt agaacaaana 480
aaaaaaaaaa aaaaaaaaaa a 501

```

<210> 225

<211> 295

<212> DNA

<213> Homo sapiens

<400> 225

```

cctgtatagg gctcgtttcc ccacacatgc ctatttctga agaggcttct gtcttatttg 60
aaggccagcc cacaccagc tactttaaca ccaggtttat ggaaaatgtc aggaaaaaaa 120
aaaaaaaaaa cacatgcact cacacaatac ccaaacatca raattagaag ggcataaaac 180
agggggcttt ataggctgaa aaatatctta ratttcaraa cagaatacca atcaaattt 240
gaaaattcct ttgttcaaaa cacaagatg ttttgttttt aatgggagtt ttttt 295

```

<210> 226

<211> 372

<212> DNA

<213> Homo sapiens

<400> 226

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agattcctgg cttagagcat gcgagcattg aaggaccaat agcaaactta tcagtacttg 60
gaacagaaga acttcggcaa cgagaacact atctcaagca gaagagagat aagttgatgt 120
ccatgagaaa ggatatgagg actaaacaga taaaaaatat ggagcagaaa ggaaaaccca 180
ctggggaggt agaggaaatg acagagaaac cagaaatgac agcagaggag aagcaaocat 240

```


tactaaagag gagattgctt gcagagaaac tcaaagaaga agttattaat aagtaataat 300
 taagaacaat ttaacaaaat ggaagttcaa attgtcttaa aaataaatta tttagtccgt 360
 atgaaatgaa at 372

<210> 227
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 227
 ggcccccgctc gcgggagccg cttcgggcct tctgggcatg tctgccatat ggctccaggt 60
 ttgtttttct ccccggcact ctgacgggga gggctcccgg catctcctgg catccgggta 120
 gaggacgcgg aggatgctga gctgctggcg cactgcagca caactagaga tgtacggatg 180
 ccccatctt gatcttacag aatcagaggt acagccgcga gaaagagtca agaacagaca 240
 gagtcgcttg aggactcagg aggggtgtttg ctgcgttgac aacagactac accctcacag 300
 tttgctctgc tctccaaca ccagtggaa atgatcacat cccagggatc agtgtcgttt 360
 agggatgtga ctgtgggctt cactcaagag gagtggcagc atctggaccc tgctcagagg 420
 accctgtaca gggatgtgat gctggagaac tacagccacc ttgtctcagt aggggtattgc 480
 attcctaaac cagaagtgat tctcaagttg gagaaaggcg aggagccatg gatattagag 540
 gaaaaatttc caagccagag tcctctggaa ttaattaata ccagtagaaa ctattcaat 599

<210> 228
 <211> 343
 <212> DNA
 <213> Homo sapiens

<400> 228
 aaagtaaatt gtatgaaaaa ttcatttctt caattgcatt agccacattt tgagtattca 60
 tgtggctggg agattctgta ttagcacaaa gatatggaac atttccatca ccacagaaa 120
 ttctgttggg cagcactgca ttagaatatt ttcatactgc tcttcctcaa ttaatttttg 180
 ttgttaattg tgatgtcttc attggatggg tcataatgtt ccatgaaacc gctcaagtac 240
 acaattgtat gttctttgta tcccttacca caaatatctc gctctgctca tttcttttgc 300
 agcttcctat aaagtttgtc ttcctcaaaa aaaaaaaaaa aaa 343

<210> 229
 <211> 417
 <212> DNA
 <213> Homo sapiens

<400> 229
 ctcaagctgc agtccaccgg gtatggttct ggatggttcc cccaagggag caggatatgta 60
 ggaggtgaag aaaactgaga tttcaagtat gggagagttt ttactatctc cattcctgga 120
 ttaaaagtgc tgaaaaagtc cacagttaaa cattccttta ttcaccctat ggctcccaag 180
 aaaagcattc ttcctctgga gtactggtgt actaagggga caatacacca aatttgttga 240
 gtttacaatc aagtctacta aggttggact tccttatcag tttggcagag tcccaggga 300
 gaataatcat ccacttacag gtctctgttt cctctccctc cgcagcagtg gagagcatcc 360
 cagtgttttg ggcactgtgt tcctcttcgt ccctgcacca gaccctggaa gccttgg 417

<210> 230
 <211> 462
 <212> DNA
 <213> Homo sapiens

<400> 230

```
<210> 231
<211> 328
<212> DNA
<213> Homo sapiens
```

```
<210> 232
<211> 595
<212> DNA
<213> Homo sapiens
```

```
<210> 233
<211> 600
<212> DNA
<213> Homo sapiens
```

<400> 233						
atgaaggtaa	actctaaaat	cttcataagg	caacaaagaa	aatttatcct	tcacacttat	60
ttctagaaag	cagcagggct	tatttcctag	attgcttaca	atgaagctag	aatatctgcg	120
ataactgtag	agtttcaaaa	aggatcccta	gggtacttc	tacgttctcc	ttaccagttg	180
agcactctcc	ataatttcca	gacgggtcat	gggggagaat	gatagaaatg	agcgtgggaa	240
gaaagacaat	gaaattagaa	atgggtgaga	cacatggtgg	tagaatgcta	agagcagggg	300
tcaggacaat	caaccaggtg	tctaggaagg	gtcaagtcac	cagtgtcatc	tgctgaccaa	360
tgtttaggaag	aaataaaact	aaaggaaaca	ccacattttt	ccaattaaac	tcaaattctat	420
tgacttggtg	tggttctttg	atgttggtgg	gactgctata	acagaaacca	attggatttt	480
caaggqcaag	aaactttgcc	actgaataag	atgatgtcat	ccttcctgat	aacaaatagg	540

aatgggtggt cagctctaaa cagcgtggac tgagggagtt gcttttctac aatattactt 600

<210> 234
 <211> 500
 <212> DNA
 <213> Homo sapiens

<400> 234
 aaattcctaa ttcttttact atcttctcaa cttttcccaa agataaaata aatttcacat 60
 aatttcattg aggggaaatg gtagttgtaa aaaactacct caagtagcaa tcaccgctgg 120
 cagtgttttc tcactttctg ttctgcaatt gcaatcacac ttccaaaaag aaaagcaa 180
 gtttgctaaa ccatagacag acaacctctt tgtgactggt attataaggt ttataatgaa 240
 aacttatcaa atataaaagg tgctccctct tgaaaatgtg tattttatct gaagttttga 300
 gtaagagggtg agtggtttggc aattttcaac actccctca aaaatctccc aaagttgcaa 360
 aaaagtcagt ttagtaaaat tccaagcact taaatgcttc attgagggcc agttgatata 420
 cgcaatgcac taatgtgtaa aaattaaccg aatgcaacta ttttataatg gagagctctt 480
 accttttctt tccagttttt 500

<210> 235
 <211> 159
 <212> DNA
 <213> Homo sapiens

<400> 235
 aaaatttaca gataaaggca gttcaatact gccactgaga agtacatctc ttaacatata 60
 caactttcag gccacagttt tgaaggctctg aagtattaaag ttggtttgat gaattagtcg 120
 gttggcactt acgaacacat ttattgcctt gccatcttt 159

<210> 236
 <211> 254
 <212> DNA
 <213> Homo sapiens

<400> 236
 aaataagtga ataagcgata tttattatct gcaagggtttt tttgtgtgtg tttttgtttt 60
 tattttcaat atgcaagtta ggcttaattt ttttatctaa tgatcatcat gaaatgaata 120
 agagggtcta agaatttgkc catttgcatt cggaaaagaa tgaccagcaa aagggtttact 180
 aatacctctc cctttgggga tttaatgtct ggtgctgccg cctgagtytc aagaattaaa 240
 gctgcaagag gact 254

<210> 237
 <211> 591
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 497, 505
 <223> n = A,T,C or G

<400> 237
 tttttttttt tttttttttt tttttttcta atttttactt tttctcaagt ttaatgtara 60
 catacaaraa aacatcaagc aatggtttatt gkgcaattcc aatcattatt tgcaraatct 120

```
<210> 238
<211> 252
<212> DNA
<213> Homo sapiens
```

```
<210> 239
<211> 153
<212> DNA
<213> Homo sapiens
```

```
<210> 240
<211> 382
<212> DNA
<213> Homo sapiens
```

```
<210> 241
<211> 400
<212> DNA
<213> Homo sapiens
```

```
<400> 241
ggcatgagcc accgcgccg gccctatctt ttacttttat aaatagagat gaagtttcac 60
catgttgccc aggctggtat cgagctcctg ggctcaagcg atccccaac cttggccttc 120
caaagtgctg ggattacaag cgcgagccac cgaaattatt cttaactagc aagactaggc 180
```

tctgacatca catccttata gttacatccc tttaagcagg gttcagccac tcaactctgca 240
 cctggagaac ttgatgggta tccctcgaag tgacagtcct gcaaatgaca aaaacactcc 300
 aaatctatta ggttgggtgca aaagtaatta cgctttttgc cactgaaagt aagtcccaca 360
 ggaccctgag ggaaatggga ggggtgggta tacatagcag 400

<210> 242
 <211> 75
 <212> DNA
 <213> Homo sapiens

<400> 242
 actcacatat gcagacctga cactcaagag tggctagcta cacagagtcc atctaatttt 60
 tgcaacttcc tgtgg 75

<210> 243
 <211> 192
 <212> DNA
 <213> Homo sapiens

<400> 243
 gctccacatt tgtagcgaac actttgactc caaagagaag gaggaagaca aagacaagaa 60
 ggaaaagaaa gacaaggaca agaaggaagc ccctgctgac atgggagcac atcagggagt 120
 ggctgttctg gggattgccc ttattgctat gggggaggag attggtgcag agatggcatt 180
 acgaaccttt gg 192

<210> 244
 <211> 616
 <212> DNA
 <213> Homo sapiens

<400> 244
 aattttatag caatatactg accatttctaa aaataacaaa atacatgttg ctctcaacta 60
 catagttaaa aaaggtagta aattctctta cccaaaatag aggaggggtg ggctagtgag 120
 ctgctcaaac atttgtaaca aataaaaatg tatctatata catataatga tcatgttttc 180
 atagcctaaa atcaccatac aaaatctaata aataaaaattg tgctcgtgttc aggagtggg 240
 aagccaacac attaaattaa caaagtattt ttggtatatg taaataatgg gatagaatct 300
 ctgcaatcag gattgtccca gaagttctaa ggcagatgtc aatgacatgc acattgtcca 360
 tgttcagtaa ttttcaaaga ctagaataaa ctatgtaaac tattcaatac aattcaatat 420
 tacttaactg ctaaaaagta cttcaagatc ttgcaactgc ttgagttagt ataatacaat 480
 tagtaattgg aaaatagctg taatagcagg cactgaagaa ttctgacaaa taccaaataa 540
 ctgtttgttt ttaccaaata aactggtaag atgatatcac aaaggggttt aagttatttt 600
 gctatacaag gttttt 616

<210> 245
 <211> 165
 <212> DNA
 <213> Homo sapiens

<400> 245
 ttggaacagt ggattaaaat ccagaagggg aggggtcatg aagaagaaac caggggagta 60
 atttcttacc aacattacc aagaaatatg ccaagtcaca gagcccagat tatggcccgc 120
 taccctgaag gttatagaac actccaaga aacagcaaga caagg 165

<210> 246

<211> 229
 <212> DNA
 <213> Homo sapiens

<400> 246
 tgtactggat cctccaggt gggggcgact ctacactgac tattacaata gcctcctaag 60
 tggtttccct acttgcaacc ttgccggtat aatatctatc ctccacacag caggcagggc 120
 gatcctttta gaatagaagt tagatcatga aaatgctctg ctctgatccc tgcaaaagct 180
 cgccacctcc ttacagtcac cgctgaactc gtagcagagg ttcaggagg 229

<210> 247
 <211> 338
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 67, 206, 244
 <223> n = A,T,C or G

<400> 247
 ggaaaccgtg tgtacttata ctggatgatg ccaccagtgc cctggatgca aacagccagt 60
 tacaggngga gcagctcctg tacgaaagcc ctgagcggta ctcccgtca gtgcttctca 120
 tcaccagca cctcagcctg gtggagcagg ctgaccacat cctctttctg gaaggaggcg 180
 ctatccggga ggggggaacc caccancagc tcatggagaa aaaggggtgc tactgggcca 240
 tggngcaggc tcctgcagat gctccagaat gaaagccttc tcagacctgc gcactccatc 300
 tccctccctt ttctttctct tgtggtggag aaccacag 338

<210> 248
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 248
 tgaaaacaaa tgaattctca actcctacgg ttcatgtaga gtttagagaa aatttccatc 60
 attgtcatca ttgaactgtg aacctgggaa gccagatcat gattaacact gacatcaagt 120
 ttcaagttgc agatcaatgc acccagtgtt cagatgaggc aaacttctcc gtgacaa 177

<210> 249
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 249
 aaagtaatga ctttattaat aaatatacat ccatatgatg atgtagatac aaatcatgaa 60
 cactactcca ttcccatata cataattgca cagcagtagc tcaagttcat ggacataaaa 120
 acatacacag tatctattca gactttttac agcagaggac agcgtgctta ttatcagtta 180
 attggttaatt attttctcca aaattacctg tggaaaaaag aaattctgaa aacttaaaag 240
 aatcaaagtg atctgattac ttt 263

<210> 250
 <211> 333
 <212> DNA
 <213> Homo sapiens

<400> 250
 aaaaaaaaca acagcgtaaa tattagccca caagagcagt cctaaacaat cacaattaca 60
 ctgtactacc caagaagact gtttattgtg aagcatttac ctttcaaaaa atcattacat 120
 ttctatttct tgggtggagca gcacattgtg gagtgtgatt ctttaattctt cattgagttt 180
 gtcaatagga cattgatgct ggatagggtg tcttttggtt ttatgcctca gaccatcttg 240
 tgagattgtt tgcctatctc ataatacagt tttatgcaga aagggtgaaa ctatgtaaat 300
 ggtttttatg gaaattatca gttacaatat ttt 333

<210> 251
 <211> 384
 <212> DNA
 <213> Homo sapiens

<400> 251
 aaaccatttg tacaaaactt ctataaattt ttctctctct ttctctctta tgtacaaaaa 60
 tatcttaata tatccccgaa ctgggttagga tagatacaaa tagatttttt ataataaaaa 120
 attcacaaaa gattggaagc attctataat gaaaatggta gaaaagacag tgtgagggaa 180
 gccatggggg ttgggaatcg ggccctggag gagaagcaga gtttcaaagg gctgagaata 240
 gcatagtttc actgtaaacc aatgtctaca gcttattggg gtgggggcta ctgagacgaa 300
 agacaccaac tcgtttctag agggctaaga actgcacttt aagaaagggc ggggaggtga 360
 agggacccga gcaagaactt tcag 384

<210> 252
 <211> 211
 <212> DNA
 <213> Homo sapiens

<400> 252
 aaagcagtct gaaaatggga catctgtaga gaaattcatt tccttcttct cctccggatg 60
 tggaatggaa gctttgaggg aaggaaaagt aggaaaagag cgggatggga tgggatggga 120
 tgggatggga tgggatagga agagaggctg gggaatgggc agagaagggg gtgctgagtg 180
 tgctgtgaga tagagcaaga tcacaagaag g 211

<210> 253
 <211> 135
 <212> DNA
 <213> Homo sapiens

<400> 253
 aaaaattggt tcttgacaag ctgacttggc acttaagtgc acttttttat gaagaaaaag 60
 tacaatgaac tgcttttct caagcaataa ttgtttccaa cttgtctggg aattgtgtgt 120
 ctggtaactg gaagg 135

<210> 254
 <211> 361
 <212> DNA
 <213> Homo sapiens

<400> 254
 cctgtagccc ctgctacacg ggaggctgaa gtgggaggat cacttgaacc aatgaggggtg 60
 aggttacagt gagcccagat catgccacta ctctacaggc tgggtgataa gagtgagacc 120
 ctgtatcaaa aaaaagacaa ggaaaaaaaa aactgggccg tttgtttttg cagaatgtct 180
 ctcaatttgg acttttttggg caggaatata atacaagtga tacaatgtct tctttaacat 240

tagaacctgt ataaaattac cattacagac cttgctatct tacttatagg taaatcactg 300
 ttaccacagg taagtctttt gggaatttcc aaaaatgaag tccatggaca gttaaaaact 360
 g 361

<210> 255
 <211> 331
 <212> DNA
 <213> Homo sapiens

<400> 255
 aaaaaaataa ataatccacc aacgtgattg accttggcga gatcatgttt ctagtctata 60
 cctcagtttc cccatctgta aagtgaggat aatgtcccac cccatgtaac tgtggtgagg 120
 accaactgca acactgtgcc tgcgagtctc cttggaaaag tgtaagggtc tacacaaatg 180
 gaaagtgatc tgatcacact cagtgtcccc agcccagcct ttcagtgcc tggccctggg 240
 gtgggggaca atactctcct caccctcttc actagtcttc atgaatagca aggaggccat 300
 aacataattt ggtctaaacc ccttcctttt t 331

<210> 256
 <211> 186
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 115
 <223> n = A,T,C or G

<400> 256
 cctttggggc cttgcacttt gacctgcaat ggggccacac cagccttgct tgtgtccacc 60
 tggaaggact gagggagggt ggcacgaacc atgcctgggc tcaggccggg cccanagcac 120
 ttgaccttgg acgcatctgt cacatcatgc acagggacct tgaaaggact gcctggcact 180
 tgatgg 186

<210> 257
 <211> 255
 <212> DNA
 <213> Homo sapiens

<400> 257
 ctgggggtccg tcaccgacct ttggggaact gggctacggg gaccacaagc ccaagtcttc 60
 cactgcagcc caggaggtta agactctgga tggcattttc tcagagcagg tcgccatggg 120
 ctactcacac tccttgggtga tagcaagaga tgaaagttag actgagaaaag agaagatcaa 180
 gaaactgcc gaatacaacc cccgaaccct ctgatgctcc cagagactcc tccgactcca 240
 cacctctcgc ggcag 255

<210> 258
 <211> 604
 <212> DNA
 <213> Homo sapiens

<400> 258
 ctgaatttgc aatggagttt ggtggtgcaa tcggtattga ttagtttggc atagacagat 60
 gcagcagttt agagcaaaat cgagaaaatg atttttttt tctccttga tttcctggca 120
 gaagatatct tactttttca gcaaactttt cttttaacac taaagcagcc tagggcaatg 180


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ccagatactt agagcttttc tcttgattat aagtagaaat gggggtgtct gggctagagg 240
tggagggtgg atgtgctgtc gtcacagtct agctggcagc aagcaaggca aaagcagaga 300
ctgctctaga agcggttcca agcagcagag acgtcaggaa aggcacttct tagtaccaac 360
ctctatgctt taatagttgc ttgttaagct gtttcattgg ttgagacaaa ctaccagcac 420
ttcaaagagc tcagttctct gctcaactct cttctctagt tacattatct tttttccttc 480
aggagactga ggcaggaaaa tcgcttgaac tcaggagggtc gaggccgcag tgagccaaga 540
tcacaccacc gcactccagc ctgggccttg caaagtgcta ggattacagg aatgagccac 600
cagg                                           604

```

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<210> 259
<211> 429
<212> DNA
<213> Homo sapiens

```

```

<400> 259
aaaaatgtct gtatcgagat cttccagttt gaagtcttcc tcctctgtgt cttcccaagg 60
ctctgtggca agctccactg gttctccgcg ttccatcaga accactgact tccacaatcc 120
tggctatccc aagtacctgg gcacccccca cctggaactg tacttgagtg actcacttag 180
aaacttgaac aaagagcggc aattccactt cgctggtatc aggtcccggc tcaaccacat 240
gctggctatg ctgtcaagga gaacactctt tactgaaaac caccttggcc ttcattctgg 300
caatttcagc agagttaatt tgcttgctgt tagagatgta gcactttatc cttcctatca 360
gtaactgtct cgtgttcaga ctcttggttt cttccaggct tacagtggac atcatcagct 420
tcctgcttt                                     429

```

```

<210> 260
<211> 385
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 179, 318
<223> n = A,T,C or G

```

```

<400> 260
ctgcaacaca tgcagcacca gtctcagcct tctcctcggc agcactcccc tgtcgccctct 60
cagataacat cccccatccc tgccatcggg agcccccagc cagcctctca gcagcaccag 120
tcgcaaatac agtctcagac acagactcaa gtattatcgc aggtcagtat tttctgaana 180
cgcatatggc agacggattt gcgtatacca aggagagtgg cataggaggg aaaagcatat 240
gtggctgaaa cctgtaagtt ggtgttggtt atgcagaaat gtgtaacaga tcaaacggtc 300
ctctcaagtg tctattanat aggcaataag aactgcagtg tagctgagta acatctttta 360
gctgactata aatcactttg ttttt                                     385

```

```

<210> 261
<211> 230
<212> DNA
<213> Homo sapiens

```

```

<400> 261
ctgtactgga tccctccagg tgggggcgac tctcacctga ctattacaat agcctcctaa 60
gtggtttccc tacttgcaac cttgcccgta taatatctat cctccacaca gcaggcaggg 120
cgatccttta agaatagaag ttagatcatg aaaatgctct gctctgatcc ctgcaaaaagc 180
tcgccacctc cttacagtca ccgctgaact cgtagcagag gttcaggagg          230

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1001754-102901

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<210> 266
<211> 335
<212> DNA
<213> Homo sapiens
```

<400> 266
 gtcctcatca tcccagtttg aggcagtgtt ggagtgggga aggccgtctt agaccataga 60
 ggttggaaga cgctgagaga tcatccagcc cagccccttg atgttacaga gcagaagaca 120
 gatgccc aaa caggagaagg cacttgccca cggtcatacg gcaggttgcc aaaaaaccaa 180
 gatggcagcc cttcctcagc gtgcctcaact gccactccca gagccaggga gcccataaa 240
 acccacatca tgtcttaaga gtatatctgg ctcttgacc agcaatcggc cctgggagcc 300
 accaggtggg aaaagcgct ctgccagagt ccagg 335

<210> 267

<211> 619

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 69, 86, 119, 205, 352, 547, 580, 611

<223> n = A,T,C or G

<400> 267
 tggagctctg acgaagggat cggggaggtg ctggagaagg aagactgcat gcaggccctg 60
 agcggccana ttttcatggg catgngtcc tcccagtacc aggcccggtt ggacatcng 120
 cgctcattg atgggcttgt caacgcctgc atccgctttg tctacttctc tttggaggat 180
 gagctcaaaa gcaagggtgtt tgcanaaaaa atgggccttg agacaggctg gaactgccac 240
 atctccctca caccatgtg tgacatgcct ggctccgaga tccccccctc cagccccagc 300
 cacgcaggct ccttgcata tgacctgaat cagggtgtccc gagatgatgc anaagggtc 360
 ctctcatgg aggaggagg ccactcggac ctcatcagct tccagcctac ggacagcgac 420
 atccccagct tcttggagga ctccaaccgg gccaaagctgc cccggggtat ccaccaagt 480
 cggccccacc tgcagaacat tgacaacgtg cccctgctag tgcccccttt caccgactgc 540
 acccanaga ccatgtgtga gatgataaag atcatgcaan agtacgggga ggtgacctgc 600
 tgcttgggca nctctgcca 619

<210> 268

<211> 147

<212> DNA

<213> Homo sapiens

<400> 268

cctataaccc agacaccagc atggacaaaa ctcaattata ctgaattcag agacaaaatt 60
 cagtgcact cttctaccac ttatttaggg ttctacagca tttcactgag cagacttagt 120
 tttttgtttt tgttttacaa acctttt 147

<210> 269

<211> 325

<212> DNA

<213> Homo sapiens

<400> 269

ctgagctgta ggaatgggtt cttggtacac aagatagtat tgttgagcta gttttcgagc 60
 tctgtgcaca agcactctgt aatcggggcc catgccactg tacaccaaac ctatatgctt 120
 ggtaattggg tctactttgt gtacacttcg ctcatcatac agaattgatt tctgtttttt 180
 ctcaattgct aataccacac catttgcagc tttaattccc acggacgggg ctctccagc 240
 tacagcagcc aaagcatatt caatctggac aagtttacca gacgggctga atgtagtcag 300
 cgaaaagctg taccgcgcgt ccgcc 325

<210> 270
 <211> 428
 <212> DNA
 <213> Homo sapiens

<400> 270
 aaacatatgg taaattaccg agtgacacct ctgggctaga gacctctttt gaggggagtt 60
 tgcaaaactac ggattcaatt tctttaacag ttatgaagtt ctttaaagaa cctgtttggt 120
 attgggggggt tgtggtcacc tgtgcttttc tgagatttgg cccctacatc taagttgttg 180
 aatgcatgtg tgtagagttg tttatgggtgc ttccctttct tcttagaagg gtctatagta 240
 atatccctcg ccttatccct agtagtacta atttgtgttt tcttacttct tgacaggcaa 300
 acacatcaga gcataagtgg ttcctaattgc caagctgacc tcccttgatc tctgtcttct 360
 acaggatatt gacatgggac ttctttatta ccttttcagt tcaactgatac cttcaaatag 420
 ctttattt 428

<210> 271
 <211> 206
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 18, 21, 33, 118, 180
 <223> n = A,T,C or G

<400> 271
 cgtcccggag cccacggngg ncatggctgg canagcgctc tgcattgctgg ggctgggtcct 60
 ggccttgctg tcctccagct ctgctgagga gtacgtgggc ctgtctgcaa accagtngc 120
 cgtgccagcc aaggacaggg tggactgagg ctacccccat gtcacccccca aggagtgc 180
 caaccggggc tgctgctttg actcca 206

<210> 272
 <211> 83
 <212> DNA
 <213> Homo sapiens

<400> 272
 ctggcttccc tgagaactca acaatgcctt ttcctgaggg ccttcctcga tcatccacaa 60
 tgactacagc cctctctacc tgg 83

<210> 273
 <211> 472
 <212> DNA
 <213> Homo sapiens

<400> 273
 ctggagaagg tgtgcagggg aaaccctgct gatgtcaacc aggccagggt gtctttctac 60
 tcgggacact cttccttttg gatgtactgc atgggtgttct tggcgctgta tgtgcaggca 120
 cgactctgtt ggaagtgggc acggctgctg cgacccacag tccagttctt cctggtggcc 180
 tttgccctct acgtgggcta caccgcgtg tctgattaca aacaccactg gagcgatgct 240
 cttgttggcc tcctgcaggg ggcactgggt gctgccctca ctgtctgcta catctcagac 300
 ttcttcaaag cccgaccccc acagcactgt ctgaaggagg aggagctgga acggaagccc 360
 agcctgtcac tgacgttgac cctgggagag gctgaccaca accactatgg ataccgcac 420
 tcctcctcct gagggcggac cccgccagg cagggagctg ctgtgagtc ag 472

1001754-102901

<210> 274
 <211> 205
 <212> DNA
 <213> Homo sapiens

<400> 274
 ccaggcggcc cgaggactta cggtcggcac ttctctgttc tcccgtgtca gcgtgtggtg 60
 tcgcctgcat gggtcgtacc tggatggtgt gtccaccatc gacacggagg ggctggattt 120
 gtttctcagg caatcctgta ttttaatttt agatgtattt cctgaagcat atttttcata 180
 gaatgtagcg tgtaaatagc ttttt 205

<210> 275
 <211> 308
 <212> DNA
 <213> Homo sapiens

<400> 275
 ctctctgccc tccccaccga catcatgctc cagttccagc ttggatttac actgggcaac 60
 gtggttggaa tgtatctggc tcagaactat gatataccaa acctggctaa aaaacttgaa 120
 gaaattaaaa aggacttgga tgccaagaag aaaccccta gtgcatgaga ctgcctccag 180
 cactgccttc aggatatact gattctactg ctcttgaggg cctcgtttac tatctgaacc 240
 aaaagctttt gttttcgtct ccagcctcag cacttctctt ctttgctaga ccctgtgttt 300
 tttgcttt 308

<210> 276
 <211> 201
 <212> DNA
 <213> Homo sapiens

<400> 276
 aaattaactt tttcttgcaa aatattcatt tcattttttc caagaaaatc ttataaaggc 60
 aaaaataaaa ttttattttg gcaaattgca tgaagtcgat actggcagca tatggagtta 120
 gttaaaaata gacaacaact gctagatata ttcaaaattc tatttttttt tctgagcata 180
 gtcaaagaga aattttcatt t 201

<210> 277
 <211> 520
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 32
 <223> n = A,T,C or G

<400> 277
 aaaaaaaaaag tattcagcac catttgctca tnggtctttc agagtttggt cttaaagt 60
 ctggaacttt cctgtctgta aagtaacagg aattactgag ctacattgga aagcctctct 120
 gggacaggca gtggggagtt aagcagtcac cataaaggaa tcagtgtaca ttcagcatgg 180
 tgacttgact acacaacaat cccttccct ctactgtagc tcaagagaga catgcttcta 240
 accactgagg tatgaggagt ctcagactgt tatttgctgt tagaattggc cttcccagct 300
 aataacagta catctctggc acagatgcta ttggtcctta atgtcctgtg attttaggaa 360
 atagtgtgga tttagttcaa tttattcaga aaccaaactg gttaattag cttcactact 420

1001754-103001

ctggcagagt aagggtatgc tggtttagta tctttataaa atatatataa tgtataggta 480
aatcatagtc ttaaatacata cctaaaatac tgtatcattt 520

<210> 278

<211> 264

<212> DNA

<213> Homo sapiens

<400> 278

cgcgccgggc ggaactttcc agaacgctcg gtgagaggcg gaggagcggg aactaccccg 60
gctgcgcaca gctcggcgct ccttcccgcct ccctcacaca ccggcctcag cccgcaccgg 120
cagtagaaga tggtgaaaga aacaacttac tacgatgttt tgggggtcaa acccaatgct 180
actcaggaag aattgaaaaa ggcttatagg aaactggcct tgaagtacca tctgataag 240
aaccctaatg aaggagagaa gttt 264

<210> 279

<211> 414

<212> DNA

<213> Homo sapiens

<400> 279

aaacatacaa taatttttat tatggaaatt aatctttaca tacaaaatca gctacgtaat 60
tttacttaca aaacaataaa aactgttctt tactgtggca acaaaagaag cattttgaca 120
aatgaaaaaa attaatgcaa acaaattaaa acaatgcttt tctttttact tgcttactg 180
tctcttctat ttattttcta tgatcatttg acacaaacat ggattacttt gatattctact 240
gaaacataaa tgataagggt cttaaagggt gaattaaaag tctgggtgtt caatatttta 300
gaagctgaat aaacaaaacg aaattggggg ttgtgattac agaggattta tcattttttc 360
cctttgtcca tatgaaaata tataatagaa aattaccacac gggaaaacat tttt 414

<210> 280

<211> 262

<212> DNA

<213> Homo sapiens

<400> 280

ccaccatgcc tggcctgctt caattttttg atgccacttt gtaaaccggca ctttaattatg 60
gaaaatagga aaaagcaaaa ctaaaataag gaagaggata tatatataac ttttcacaat 120
ctcttttctg atccccttta gatgccaggt caaccaggac cacacacaga tttcatttta 180
ttttagtagt atatgaaaag atttaatatg ctcatgcatt ttatttttac tatactgatt 240
tctacgtttt gactgactat tt 262

<210> 281

<211> 349

<212> DNA

<213> Homo sapiens

<400> 281

ctgtgacccg ggtgcatcag tggatatagt tgtgtctccc catgggggtt taacagtctc 60
tgcccaagac cgttttctga taatggctgc agaaatggaa cagtcactctg gcacaggccc 120
agcagaatta actcagtttt ggaaagaagt tcccagaaac aaagtgatgg aacatagggt 180
aagatgccat actgttgaaa gcagtaaacc aaacactctt acgttaaaaag acaatgcttt 240
caatatgtca gataaaacca gtgaagatat atgtctacaa ctcagtcgtt tactagaaaag 300
caataggaag cttgaagacc aagttcagcg ttgtatctgg ttccagcag 349

```
<220>  
<221> misc_feature  
<222> 209  
<223> n = A,T,C or G
```

```
<210> 283
<211> 543
<212> DNA
<213> Homo sapiens
```

```
<210> 284
<211> 147
<212> DNA
<213> Homo sapiens
```

```
<210> 285
<211> 316
<212> DNA
<213> Homo sapiens
```

```
<400> 285
cggccgaggt ctggcttcac tctactccc tctctgctcg cagcacgtcg gccgccagct 60
ctttgatgtg ttcccaggcc cgctgcacat gggcagattc caccgtgcga gaacagatgg 120
```

```

caaagcgcag gacaaaacttg tccctgaggt gacatggaac caagtggatt tttttggcac 180
tgtttattct ttgcagaaga gcttcattca ctttggttga accctttagc cgaaagcaga 240
caagccccag aatgacttcc acacagattt caaagcgggg atcctggcgc accagtgact 300
caaactcatg ggacag                                     316

```

```

<210> 286
<211> 322
<212> DNA
<213> Homo sapiens

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```

<400> 286
cctgggggagc ctttttagtgg ggtggggacct caggcagacc cccaaaccaa agggagccag 60
atgccccagt tcaagtcatt agtgatatgt ggcagggctg acagagaaat aatcctggag 120
gtctccaaag ctgctgggaa tggaatggcg atgaaaagcg caggagtggg caggggtgtgg 180
tgggtgatgg tggcctcact cagagtggac caaggcccca gtccttgcc caaaaccaa 240
gcccttgggc ccgaagtttt tagcataaca tcctttgcag taaatctcgc catccttgtc 300
tgccagggtg gttgactcaa gg                                     322

```

```

<210> 287
<211> 364
<212> DNA
<213> Homo sapiens

```

```

<400> 287
ctgcccacgc tcaaaccaat tctggctgat atcgagtacc tgcaggacca gcacctctg 60
ctcacagtca agtccatgga tggctatgaa tcctatgggg agtgtgtggt tgcactcaaa 120
tccatgatcg gcagcacggc ccaacagttc ctgaccttcc tatcccaccg tggcgaggag 180
acaggcaata tcagaggctc catgaagggt cgggtgcccc cggagcgcct gggcaccgct 240
gagcggctct acgagtggat cagcattgat aaggatgagg caggagcaaa gagcaaaagg 300
ccctctgtgt cccgagggag ccaggagccc aggtcaggga gccgcaaggc agccttcaca 360
gagg                                     364

```

```

<210> 288
<211> 261
<212> DNA
<213> Homo sapiens

```

```

<400> 288
aaaattataa ctactcattc tttctttagc cttagttaat ttgagcagaa gccacaacaa 60
gcaaaccaca ataaatttag aattggcaga aatccacatt aactcctctt cccaagtttc 120
cacactacta ccattttacag ttgtagggtt gtaatgtata attatgtaat gcagaaacta 180
gctttgactt gtgtaacgat gcactgtcaa agtaagcaaa gtaagaattg aaattccaca 240
ttcccagaat ttaacactca g                                     261

```

```

<210> 289
<211> 261
<212> DNA
<213> Homo sapiens

```

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<400> 289
ctgagtgtta aattctggga atgtggaatt tcaattctta ctttgcttac tttgacagtg 60
catcgttaca caagtcaaag ctagtttctg cattacataa ttatacatta caaacctaca 120
actgtaaatg gtagtagtgt ggaaacttgg gaagaggagt taatgtggat ttctgccaat 180
tctaaattta ttgtggtttg cttgttgttg cttctgctca aattaactaa ggctaaagaa 240

```


agaatgagta gttataattt t

261

<210> 290

<211> 92

<212> DNA

<213> Homo sapiens

<400> 290

ccactacccg aacttacagg tgccaaaaga agaaagggta taaacggaga ccacctatca 60
ctcatcagaa cctaggatca tcacattcct tt 92

<210> 291

<211> 287

<212> DNA

<213> Homo sapiens

<400> 291

ccatggctcc gctcagggcc ccggtcacct ccgagtcact ctgttccttg actgtctttg 60
tgtttctgta cctcaaggca ctgaagctgg aggactctgt ccatgcctgt gtcaccctcg 120
tgtgggagcc tctgggctcg gcagggtccac atttcatgag ctgaggcgtg ggccagggcc 180
atctggaaaag ggaactcggc ttttccagaa cgtggtggat catctgtcgg gtgtgtggtg 240
aacacgttca gttcatcagg gcctacgctc cggaagggg cccccag 287

<210> 292

<211> 270

<212> DNA

<213> Homo sapiens

<400> 292

ccattgtttc ctgctggcg aaggctcctt gaacatccct caccttcctc tcccgcctct 60
gccttctgct ggtcaaagg tggccttttc tctccagcct tgaattgttc cctgttggct 120
tcccaaggcc ccatctgctg gtacagtcca cacttcaca gccaaagacc gagagggctt 180
tactgcccc aagcctctct cctgtgaccc tgggattctg tcttggcaga atcctttgtc 240
agcggctctt actctgtcct tcctgtttgg 270

<210> 293

<211> 333

<212> DNA

<213> Homo sapiens

<400> 293

ccatgctcgt caacctggtg tccactgctt gctacgtctc cttcctcttc ctgggctgcg 60
acactggccc tgtggctggg gttactgttc cctatggaaa cagcacagca cctggctcag 120
ccctggaccc ctactgccc tgcaataata actgtgaatg ccaaaccgat tccttcactc 180
cagtgtgtgg ggcagatggc atcacctacc tgtctgectg ctttgctggc tgcaacagca 240
cgaatctcac gggctgtgcg tgctcacca ccgtccctgc tgagaacgca accgtgggtc 300
ctggaaaatg cccagctcct gggtgccaag agg 333

<210> 294

<211> 123

<212> DNA

<213> Homo sapiens

<400> 294

10075410601

```
<210> 295
<211> 311
<212> DNA
<213> Homo sapiens
```

```
<210> 296
<211> 241
<212> DNA
<213> Homo sapiens
```

```
<210> 297
<211> 295
<212> DNA
<213> Homo sapiens
```

```
<210> 298
<211> 347
<212> DNA
<213> Homo sapiens
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[illegible]

<210> 299
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 299
 aaaaagtaaa catgaaaaca tcacgaattg taccatgatt caagaataac ttttgtaata 60
 gaaaacacat gaccttttgc agtatagtgt gataccgaag taaaagtga agaaataaat 120
 gcaggaaagt ttaagtggat gtaagttttt ataaggaaag taataagagg aggctgcttt 180
 tgaaggtcct ttgatcttcc atgatgataa tatcgttgca aagttcttta acttgtattc 240
 aagtaattag cagttgacca cttggttt 268

<210> 300
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 300
 aaattggaga aggaagtttt cctgaagagc cagaatcctt gctaagtcatt ttagatccaa 60
 ctgaccatct ttatttctgt caaaaatctt catcatgggtg ccggtgtatt cttccagttt 120
 agcctcagaa atggcctttc tgtggtgaag aaagaggtct cggaggaagt tgcggagctc 180
 agcag 185

<210> 301
 <211> 75
 <212> DNA
 <213> Homo sapiens

<400> 301
 aaaattggaa agtgggataa gaaatctaaa gtaaccagct tatctttgaa acaatattat 60
 tttgaaattg gcttt 75

<210> 302
 <211> 247
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 159, 188, 212
 <223> n = A,T,C or G

<400> 302
 ccatgttctc tgaattgggt gcagaagaca agggcagagt ggctgcggcc cctattacct 60
 ttgtagcagc cacatcagaa agcagaagaa aacagtattt ctgaaggcat tgtttgaggt 120
 tgatctcagc actgaacgat ttcaagccct acgcaccana acagaaggag ggtggaggaa 180
 gtgatcanag ggaacgagct gtaggtttgc anaaatgtgt gaaacaaaaa tgatcactgc 240
 ctacttg 247

<210> 303
 <211> 535
 <212> DNA
 <213> Homo sapiens

100754-10900

<400> 303

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ctgcttcaga ggaaatcact gaaaaataaa gaaaaaaccat ccatgcatgg ctgcatccag 60
tgtacctgta atcctgaaga aaaggtccta attccttcca tgctgaaatg ctagctttgg 120
tttcagagag agactttatt gcaactgtga ccaccgtcac tggtagcac tgctgttcgg 180
ccccagcgg acttaaaaga ctggaatgtg gtagtgccgg tcgttctcgg tcagcaggga 240
gatctccggc cagtcctga gaggtcctc tgggtagcag acttcaaagt ctctggagtt 300
aaacttgaac agtctgaaca cttttatctt tacttcaagg gagtatccaa gtataaacat 360
atcaatctgc tctagtccac atgtgtcgc tacagaattc aggtgattca tcatgaagct 420
caaaggatca gaggatgtct ccctggaaaa caggagtcta aaaagactgg gaatgacctt 480
tttagtcttc atttgttcac aaacttcagt gacttgatac agcatgatga acttt 535

```

<210> 304

<211> 522

<212> DNA

<213> Homo sapiens

<400> 304

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ccgcgctcgg tctacaatca cgttttatta ttggctcgtc tagtcatggg atagagaagg 60
taaataagcaa aatagaaaga aaagggggaa aaggtagaag gcaaggggaa aactattggg 120
tttagatctt tctcctggtc ctgtcaatga tcaggtaatt ggaaggatca aaattaggcc 180
aaacttggtg attgggcca aattgaacca aagtttgtgt caagaagacc tggggcagag 240
atatgtgact aaatcatttg gaatatgcc agaccccaag aatatttatg cccaacttga 300
atgctaacca gaagtcctt actgtagaag attgtaagg tgctatTTTT ttgccccgac 360
accaaaatat tgatgtattt tccaacacca attctccaat tctctgacac caactcgatg 420
ttcaacaatt cagttatatt ctgtcactaa ttcctgcagc tatcagcagg cccacaggt 480
aaaggattca gtctcacaag attgcccccc caccacttc ag 522

```

<210> 305

<211> 165

<212> DNA

<213> Homo sapiens

<400> 305

```

cctaaagcgc tcctcgtgta agtcaagggt gtccacaatg atttgtttgt caaagttatt 60
gagtgcataat gccagttctc ctctcctcc accctgggtc tgtgaggcat cgtctgaggc 120
agtggcctgg gctgcattgg aaatgcctgt gaccgcctgc tgcag 165

```

<210> 306

<211> 294

<212> DNA

<213> Homo sapiens

<400> 306

```

ctgcacctaa gacatggccc tggctaggcg ggaacagctc acagtagcga tacattcaca 60
ggacacagtt ggtgtccaga aaagggggct cagaacacag tttctacaca agcacttggc 120
acccacacga cagagacgtc actcaagcag cacagccaca aatagtttac agcagctcat 180
gcccggcacc cgcccatgct gggagactcc ctgaaaagggt ggcacctgcc gtctatgagg 240
agggtgtctcc ctccatcatt aaccccaaac cacacaatgt gtgaggagag cagg 294

```

<210> 307

<211> 181

<212> DNA

<213> Homo sapiens

F00744.1090

<400> 307
 aaaaatccat gacaccttga tagaaattag agtttacaca aacaaaaaag gaaccttcga 60
 tattgccagc agctataaag tgaacgtact gagaccgaca ggacagcaag aaggcatttg 120
 cacatttata tctgacaccc gaccatactt tcagtcacca gaatatcttc tctccagatt 180
 t 181

<210> 308
 <211> 179
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 138
 <223> n = A,T,C or G

<400> 308
 aaggctgagg actgctggga gctcagatca gcccggagct actggctcat gggcagccaa 60
 aaaatactgg atctgctgaa cgaaggctca gcccgagatc tccgcagtct tcagcgcatt 120
 ggcccgaaga aggcccanc t aatcgtgggc tggcgggagc tccacggccc cttcagcca 179

<210> 309
 <211> 129
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 28
 <223> n = A,T,C or G

<400> 309
 ctgcccgttt gcccgtagct gactcagntt cctcatcttc atctccatcc tcttccctcac 60
 catcaccttc ttcttccctcc tcttcttcc cccacacctc ttctctctct tcgtctacct 120
 cattgtcag 129

<210> 310
 <211> 390
 <212> DNA
 <213> Homo sapiens

<400> 310
 tgaggctggg ggagagccgt ggtccctgag gatgggctcag agctaaactc cttcctggcc 60
 tgagagtcag ctctctgccc tgtgtacttc ccgggccagg gctgccccta atctctgtag 120
 gaaccgtggg atgtctgcat gttgcccctt tctcttttcc ctttccctgt cccaccatac 180
 gagcacctcc agcctgaaca gaagctctta ctctttccta tttcagtgtt acctgtgtgc 240
 ttggtctgtt tgactttacg cccatctcag gacacttccg tagactgttt aggttcccct 300
 gtcaaatatc agttaccac tcggtcccag ttttggtgccc ccagaaaggg atgttattat 360
 ccttgggggc tcccagggca aggggttaagg 390

<210> 311
 <211> 355
 <212> DNA
 <213> Homo sapiens

100754-102901

<220>

<221> misc_feature

<222> 127, 131, 154, 156, 192, 204, 227, 242, 271, 274, 297

<223> n = A,T,C or G

<400> 311

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cctctctgtg ctgctgaagg cagatcgctt gttccacacc agctaccact cccaggcagt 60
gcatatccgc ctgttgagaa atgccgtgtc tagattgtgg acaagagcct gcgtgattat 120
gctatangga naaaaattct tcgagttcca cccnancctc tctaaacatt tggctcactc 180
aaaacaaaaa gncaccaatc ttantactgc tgaacttcat ttatgtnacc taacattaac 240
cntcgtagga aaaccaaata gccctctcgt ncangatatg ttgctaaagg actaccntgt 300
tcaacacaac ggctccggtg tgtgaactcc tgtttggtg attcccctac tctca 355
```

<210> 312

<211> 498

<212> DNA

<213> Homo sapiens

<400> 312

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ccattctttt gaatctaate tattatcaat agcatcctcc ataatatctt tgataaaagg 60
tgtccaccga gagagctgaa aagtttcttc tgcagaccga tcctttctta acggtttgcc 120
ttgttgagat tggggaacaa tgggaacacc aaggttaactc cagttacgaa tcatgtcact 180
ctcattttct atctttacat tctggatcaa cctgtccaaa ttttcttcg tagttccatt 240
aatactgaag atataaagta gaattgctct tattttatca caattatcat gatttttgtt 300
gagtagaact ggaaggagta ctgcgatgga atctttcacc ttctgtcctt ctgcatcagt 360
tccaagtgcc aggtcctggt cagttttgca gagcttttct atattaagct tgaacttatt 420
catgcaatct tctgctaagt taagatggac aacttgctta gtaatctggt ttcggaaata 480
gggcatcttt ttcacatcag
```

<210> 313

<211> 653

<212> DNA

<213> Homo sapiens

<400> 313

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aaacttatca gattttttta agttaggtaa tttcaatcca cagtggctcc atatgggttaa 60
aaaaacaaaa acaaaaacgc atttaaggat acacgaagca gtgaaaacaa agccccagta 120
ttttcgctaa agtactggaa atacctgtt ctaaaaacag ctttatattt gtccactgcc 180
tagaatagct ctacccaaa cctcaaaaat aagagcagat agattttaga agcaagaaaa 240
ggtaaacagt gcccatatta tttgagactg gctctgctgc cctccctaag ccagtttaca 300
ttctttgaga ttcttgaggt ggggtgagtca gggctgaaga ctgcacaggc catgtcccct 360
gctccaacta ttcctcagaa cgtcccaggt ggagggagtg gcctgtcgat tttcactcat 420
tccatggagc tctgtgtaca tgaaaattcc tccaagtgtg gcttttgcg aattcagaga 480
tacagcaagc cagcataaaa acatggagtg tagagcactg gtgtacctag cttagaaaca 540
ccctcgggtga atgtgttact gtggctcgaa aggaagcaag ggacaggacc caggagactg 600
ggcggccagg ctctcggagt tccacacaca cctgtgaagc ccggccagca cag 653
```

<210> 314

<211> 513

<212> DNA

<213> Homo sapiens

<400> 314

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ctggaagatt ttgctgcatt tggcattata ctgtaattta cagtatacaa catctgggga 60
ctcagtacta tcttagcaca gactaacttc tcccactccg tcagaggtgg cagggtggcg 120
gtcgggtggg agggcctttt ctccccataa atgcctgaac tttaatttat accatataag 180
aaatcagtga aaggtaaaca acaagggttaa tgtaactcta ttataaattt tgcatttttt 240
ttctctgtga catatacaag tatatttttg tttttggagc tataaattat ttaatttagc 300
aatcttcaaa gctcataaat ttcaactttt caaataagaa attttaactt caaataagaa 360
gtctaggact ttatggctat taattttact atcaaaatat ccaagggact ccattcaatg 420
taatagttat aattcttcta aatatcattt gaataattct ttgtggacgc tagactcaag 480
actatgctac atccaaacag tacatctata acc 513

```

```

<210> 315
<211> 222
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 15
<223> n = A,T,C or G

```

```

<400> 315
atztatattc aaggnatctc aaagaaagca ttttcatttc actgcacatc tagagaaaaa 60
caaaaataga aaattttcta gtccatccta atctgaatgg tgctgtttct atattggtca 120
ttgccttgca aacaggagct ccacaaaagc caggaagaga gactgcctcc ttggctgaaa 180
gagtcctttc aggaagggtg actgcattgg tttgatatgt tt 222

```

```

<210> 316
<211> 1633
<212> DNA
<213> Homo sapiens

```

```

<400> 316
cgtggaggca gctagcgcga ggctggggag cgctgagccg cgcgtcgtgc cctgcgctgc 60
ccagactagc gaacaatata gtccgggatg ctaaagggtga cccaagaaa ccaaagggca 120
agacgtccgc ttatgccttc tttgtgcaga catgcagaga agaacataag aagaaaaacc 180
cagaggtccc tgtcaatttt gcggaatttt ccaagaagtg ctctgagagg tggaagacgg 240
tgtccgggaa agagaaatcc aaatttgatg aaatggcaaa ggagataaaa gtgcgctatg 300
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agtatgagaa ggatgttgct gactataagt cgaaaggaaa gtttgatggt gcaaaggggc 600
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tatctatagt ttgtaaaaag aacaaaacaa ccgagacaaa cccttgatgc tccttgctcg 1140
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gaggctggac ctgttgactc tgcagggggc atccatttag cttcaggttg tcttgtttct 1260
gtatatagtg acatagcatt ctgctgccat cttagctgtg gacaaagggg ggtcagctgg 1320

```

```

catgagaata ttttttttta agtgcggtag tttttaaact gtttggtttt aaacaaacta 1380
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cctgtactta aacacgattc gcaacgttct gttatTTTTT ttgtatgtt agaattgctga 1500
aatgtttttg aagttaata aacagtatta cattttttaga actcttctct actataacag 1560
tcaatttctg actcacagca gtgaacaaac cccactccg ttgtatttgg agactggcct 1620
ccctataaat gtg 1633

```

<210> 317

<211> 4235

<212> DNA

<213> Homo sapiens

<400> 317

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gaatccaagg gggccagttc ctgccgtctg ctcttctgcc tcttgatctc cgccaccgtc 60
ttcaggccag gccttggatg gtatactgta aattcagcat atggagatac cattatcata 120
ccttgccgac ttgacgtacc tcagaatctc atgtttggca aatggaaata tgaaaagccc 180
gatggctccc cagtatttat tgccttcaga tcctctacaa agaaaagtgt gcagtacgac 240
gatgtaccag aatacaaaaga cagattgaac ctctcagaaa actacacttt gtctatcagt 300
aatgaaggga tcagtgtatg aaagagattt gtgtgcatgc tagtaactga ggacaacgtg 360
tttgaggcac ctacaatagt caaggtgttc aagcaaccat ctaaaccctga aattgtaagc 420
aaagcactgt ttctcgaaac agagcagcta aaaaagttgg gtgactgcat ttcagaagac 480
agttatccag atggcaatat cacatggtag aggaatggaa aagtgtctaca tccccttgaa 540
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gctataagta ttccagaaca cgatgaggca gacgagataa gtgatgaaaa cagagaaaag 1560
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gttgctggtg tcgtctactg gctgtacatg aagaagtcaa agactgcatc aaaacatgta 1680
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gaagcctaag agagaaaactg tcctagtgtt ccagagataa aatcatata gaccaattga 1800
agcatgaacg tggattgtat ttaagacata aacaaagaca ttgacagcaa ttcattgttca 1860
agtattaagc agttcattct accaagctgt cacaggtttt cagagaatta tctcaagtaa 1920
aacaaatgaa atttaattac aaacaataag aacaagtttt ggcagccatg ataataaggc 1980
atatgttgtg tttgtttcaa ttttttttcc gtaaagtgtc gcaactgagga tttctttttg 2040
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atctgagcag gtacatttct gattctgatt gctatcagca atgccccaaa ctttctcata 2220
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taaaaaactgt gatttttatc acaaggagg ggaggccgag agtcagactg atagacacca 2340
taggagccga ctctttgata tgccaccagc gaactctcag aaataaatca cagatgcata 2400
tagacacaca tacataatgg tactccaaa ctgacaattt tacctattct gaaaaagaca 2460

```


taaaacagaa	tttggtagca	cttacctcta	cagacacctg	ctaataaatt	atcttctgtc	2520
aaaagaaaaa	acacaagcat	gtgtgagaga	cagtttggaa	aatcatggt	caacattccc	2580
atcttcatag	atcacaatgt	aaatcactat	aattacaaat	tgggtgttaa	tcctttgggt	2640
tatccactgc	cttaaaatta	tacctatttc	atgtttaaaa	agatatcaat	cagaattgga	2700
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 <213> Homo sapiens

<400> 323
 actttctacct gctcactcag aatcattttct gcaccaacca tggccacggt tgtggagctc 60
 agtaccaaaag ccaagatgcc cattgtgggc ctgggcactt ggaagtctcc tcttggcaaa 120
 gtgaaagaag cagtgaaggt ggccattgat gcaggatata ggcacattga ctgtgcctat 180
 gtctatcaga atgaacatga agtgggggaa gccatccaag agaagatcca agagaaggct 240
 gtgaagcggg aggacctgtt catcgtcagc aagttgtggc ccactttctt tgagagaccc 300
 cttgtgagga aagcctttga gaagaccctc aaggacctga agctgagcta tctggacgtc 360
 tatcttattc actggccaca gggattcaag tctggggatg accttttccc caaagatgat 420
 aaaggtaatg ccatcggtgg aaaagcaacg ttcttggatg cctgggaggc catggaggag 480
 ctggtggatg aggggctggt gaaagccctt ggggtctcca atttcagcca cttccagatc 540
 gagaagctct tgaacaaaacc tggactgaaa tataaaccag tgactaacca ggttgagtgt 600
 caccataacc tcacacagga gaaactgata cagtactgcc actccaaggg catcaccgtt 660
 acggcctaca gccccctggg ctctccggtt agacctggg ccaagccaga agacccttcc 720
 ctgctggagg atcccaagat taaggagatt gctgcaaagc acaaaaaaac cgcagcccag 780
 gttctgatcc gtttccatat ccagaggaat gtgattgtca tccccagtc tgtgacacca 840
 gcacgcattg ttgagaacat tcaggtcttt gactttaaat tgagtgatga ggagatggca 900
 accatactca gcttcaacag aaactggagg gcctgtaacg tgttgcaatc ctctcatttg 960
 gaagactatc ccttcaatgc agaataattga ggttgaatct cctggtgaga ttatacagga 1020
 gattctcttt cttcgctgaa gtgtgactac ctccactcat gtcccatttt agccaagctt 1080
 atttaagatc acagtgaact tagtctgtt atagacgaga atcgagggtc tgttttagac 1140
 atttatttct gtatgttcaa ctaggatcag aatatcacag aaaagcatgg cttgaataag 1200
 gaaatgacaa tttttccac ttatctgatc agaacaaatg tttattaagc atcagaaact 1260
 ctgccaacac tgaggatgta aagatcaata aaacaaataa taatcataaa aaaaaa 1316

<210> 324
 <211> 200
 <212> PRT
 <213> Homo sapiens

<400> 324
 Met Ala Lys Gly Asp Pro Lys Lys Pro Lys Gly Lys Thr Ser Ala Tyr
 1 5 10 15
 Ala Phe Phe Val Gln Thr Cys Arg Glu Glu His Lys Lys Lys Asn Pro
 20 25 30
 Glu Val Pro Val Asn Phe Ala Glu Phe Ser Lys Lys Cys Ser Glu Arg
 35 40 45
 Trp Lys Thr Val Ser Gly Lys Glu Lys Ser Lys Phe Asp Glu Met Ala
 50 55 60
 Lys Ala Asp Lys Val Arg Tyr Asp Arg Glu Met Lys Asp Tyr Gly Pro
 65 70 75 80
 Ala Lys Gly Gly Lys Lys Lys Asp Pro Asn Ala Pro Lys Arg Pro
 85 90 95
 Pro Ser Gly Phe Phe Leu Phe Cys Ser Glu Phe Arg Pro Lys Ile Lys
 100 105 110
 Ser Thr Asn Pro Gly Ile Ser Ile Gly Asp Val Ala Lys Lys Leu Gly
 115 120 125
 Glu Met Trp Asn Asn Leu Asn Asp Ser Glu Lys Gln Pro Tyr Ile Thr
 130 135 140
 Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Val Ala Asp Tyr
 145 150 155 160

Lys Ser Lys Gly Lys Phe Asp Gly Ala Lys Gly Pro Ala Lys Val Ala
 165 170 175
 Arg Lys Lys Val Glu Glu Glu Asp Glu Glu Gln Glu Glu Glu Glu Glu
 180 185 190
 Glu Glu Glu Glu Glu Glu Asp Glu
 195 200

<210> 325
 <211> 263
 <212> PRT
 <213> Homo sapiens

<400> 325
 Met Phe Arg Asn Gln Tyr Asp Asn Asp Val Thr Val Trp Ser Pro Gln
 1 5 10 15
 Gly Arg Ile His Gln Ile Glu Tyr Ala Met Glu Ala Val Lys Gln Gly
 20 25 30
 Ser Ala Thr Val Gly Leu Lys Ser Lys Thr His Ala Val Leu Val Ala
 35 40 45
 Leu Lys Arg Ala Gln Ser Glu Leu Ala Ala His Gln Lys Lys Ile Leu
 50 55 60
 His Val Asp Asn His Ile Gly Ile Ser Ile Ala Gly Leu Thr Ala Asp
 65 70 75 80
 Ala Arg Leu Leu Cys Asn Phe Met Arg Gln Glu Cys Leu Asp Ser Arg
 85 90 95
 Phe Val Phe Asp Arg Pro Leu Pro Val Ser Arg Leu Val Ser Leu Ile
 100 105 110
 Gly Ser Lys Thr Gln Ile Pro Thr Gln Arg Tyr Gly Arg Arg Pro Tyr
 115 120 125
 Gly Val Gly Leu Leu Ile Ala Gly Tyr Asp Asp Met Gly Pro His Ile
 130 135 140
 Phe Gln Thr Cys Pro Ser Ala Asn Tyr Phe Asp Cys Arg Ala Met Ser
 145 150 155 160
 Ile Gly Ala Arg Ser Gln Ser Ala Arg Thr Tyr Leu Glu Arg His Met
 165 170 175
 Ser Glu Phe Met Glu Cys Asn Leu Asn Glu Leu Val Lys His Gly Leu
 180 185 190
 Arg Ala Leu Arg Glu Thr Leu Pro Ala Glu Gln Asp Leu Thr Thr Lys
 195 200 205
 Asn Val Ser Ile Gly Ile Val Gly Lys Asp Leu Glu Phe Thr Ile Tyr
 210 215 220
 Asp Asp Asp Asp Val Ser Pro Phe Leu Glu Gly Leu Glu Glu Arg Pro
 225 230 235 240
 Gln Arg Lys Ala Gln Pro Ala Gln Pro Ala Asp Glu Pro Ala Glu Lys
 245 250 255
 Ala Asp Glu Pro Met Glu His
 260

<210> 326
 <211> 539
 <212> PRT
 <213> Homo sapiens

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<400> 326

Met	Pro	Glu	Asn	Val	Ala	Pro	Arg	Ser	Gly	Ala	Thr	Ala	Gly	Ala	Ala	1	5	10	15
Gly	Gly	Arg	Gly	Lys	Gly	Ala	Tyr	Gln	Asp	Arg	Asp	Lys	Pro	Ala	Gln	20	25	30	
Ile	Arg	Phe	Ser	Asn	Ile	Ser	Ala	Ala	Lys	Ala	Val	Ala	Asp	Ala	Ile	35	40	45	
Arg	Thr	Ser	Leu	Gly	Pro	Lys	Gly	Met	Asp	Lys	Met	Ile	Gln	Asp	Gly	50	55	60	
Lys	Gly	Asp	Val	Thr	Ile	Thr	Asn	Asp	Gly	Ala	Thr	Ile	Leu	Lys	Gln	65	70	75	
Met	Gln	Val	Leu	His	Pro	Ala	Ala	Arg	Met	Leu	Val	Glu	Leu	Ser	Lys	85	90	95	
Ala	Gln	Asp	Ile	Glu	Ala	Gly	Asp	Gly	Thr	Thr	Ser	Val	Val	Ile	Ile	100	105	110	
Ala	Gly	Ser	Leu	Leu	Asp	Ser	Cys	Thr	Lys	Leu	Leu	Gln	Lys	Gly	Ile	115	120	125	
His	Pro	Thr	Ile	Ile	Ser	Glu	Ser	Phe	Gln	Lys	Ala	Leu	Glu	Lys	Gly	130	135	140	
Ile	Glu	Ile	Leu	Thr	Asp	Met	Ser	Arg	Pro	Val	Glu	Leu	Ser	Asp	Arg	145	150	155	
Glu	Thr	Leu	Leu	Asn	Ser	Ala	Thr	Thr	Ser	Leu	Asn	Ser	Lys	Val	Val	165	170	175	
Ser	Gln	Tyr	Ser	Ser	Leu	Leu	Ser	Pro	Met	Ser	Val	Asn	Ala	Val	Met	180	185	190	
Lys	Val	Ile	Asp	Pro	Ala	Thr	Ala	Thr	Ser	Val	Asp	Leu	Arg	Asp	Ile	195	200	205	
Lys	Ile	Val	Lys	Lys	Leu	Gly	Gly	Thr	Ile	Asp	Asp	Cys	Glu	Leu	Val	210	215	220	
Glu	Gly	Leu	Val	Leu	Thr	Gln	Lys	Val	Ser	Asn	Ser	Gly	Ile	Thr	Arg	225	230	235	
Val	Glu	Lys	Ala	Lys	Ile	Gly	Leu	Ile	Gln	Phe	Cys	Leu	Ser	Ala	Pro	245	250	255	
Lys	Thr	Asp	Met	Asp	Asn	Gln	Ile	Val	Val	Ser	Asp	Tyr	Ala	Gln	Met	260	265	270	
Asp	Arg	Val	Leu	Arg	Glu	Glu	Arg	Ala	Tyr	Ile	Leu	Asn	Leu	Val	Lys	275	280	285	
Gln	Ile	Lys	Lys	Thr	Gly	Cys	Asn	Val	Leu	Leu	Ile	Gln	Lys	Ser	Ile	290	295	300	
Leu	Arg	Asp	Ala	Leu	Ser	Asp	Leu	Ala	Leu	His	Phe	Leu	Asn	Lys	Met	305	310	315	
Lys	Ile	Met	Val	Ile	Lys	Asp	Ile	Glu	Arg	Glu	Asp	Ile	Glu	Phe	Ile	325	330	335	
Cys	Lys	Thr	Ile	Gly	Thr	Lys	Pro	Val	Ala	His	Ile	Asp	Gln	Phe	Thr	340	345	350	
Ala	Asp	Met	Leu	Gly	Ser	Ala	Glu	Leu	Ala	Glu	Glu	Val	Asn	Leu	Asn	355	360	365	
Gly	Ser	Gly	Lys	Leu	Leu	Lys	Ile	Thr	Gly	Cys	Ala	Ser	Pro	Gly	Lys	370	375	380	
Thr	Val	Thr	Ile	Val	Val	Arg	Gly	Ser	Asn	Lys	Leu	Val	Ile	Glu	Glu	385	390	395	
Ala	Glu	Arg	Ser	Ile	His	Asp	Ala	Leu	Cys	Val	Ile	Arg	Cys	Leu	Val	405	410	415	

1001-1004

Lys Lys Arg Ala Leu Ile Ala Gly Gly Gly Ala Pro Glu Ile Glu Leu
 420 425 430
 Ala Leu Arg Leu Thr Glu Tyr Ser Arg Thr Leu Ser Gly Met Glu Ser
 435 440 445
 Tyr Cys Val Arg Ala Phe Ala Asp Ala Met Glu Val Ile Pro Ser Thr
 450 455 460
 Leu Ala Glu Asn Ala Gly Leu Asn Pro Ile Ser Thr Val Thr Glu Leu
 465 470 475 480
 Arg Asn Arg His Ala Gln Gly Glu Lys Thr Ala Gly Ile Asn Val Arg
 485 490 495
 Lys Gly Gly Ile Ser Asn Ile Leu Glu Glu Leu Val Val Gln Pro Leu
 500 505 510
 Leu Val Ser Val Ser Ala Leu Thr Leu Ala Thr Glu Thr Val Arg Ser
 515 520 525
 Ile Leu Lys Ile Asp Asp Val Val Asn Thr Arg
 530 535

<210> 327
 <211> 144
 <212> PRT
 <213> Homo sapiens

<400> 327
 Met Ala Phe Thr Phe Ala Ala Phe Cys Tyr Met Leu Ala Leu Leu Leu
 1 5 10 15
 Thr Ala Ala Leu Ile Phe Phe Ala Ile Trp His Ile Ile Ala Phe Asp
 20 25 30
 Glu Leu Lys Thr Asp Tyr Lys Asn Pro Ile Asp Gln Cys Asn Thr Leu
 35 40 45
 Asn Pro Leu Val Leu Pro Glu Tyr Leu Ile His Ala Phe Phe Cys Val
 50 55 60
 Met Phe Leu Cys Ala Ala Glu Trp Leu Thr Leu Gly Leu Asn Met Pro
 65 70 75 80
 Leu Leu Ala Tyr His Ile Trp Arg Tyr Met Ser Arg Pro Val Met Ser
 85 90 95
 Gly Pro Gly Leu Tyr Asp Pro Thr Thr Ile Met Asn Ala Asp Ile Leu
 100 105 110
 Ala Tyr Cys Gln Lys Glu Gly Trp Cys Lys Leu Ala Phe Tyr Leu Leu
 115 120 125
 Ala Phe Phe Tyr Tyr Leu Tyr Gly Met Ile Tyr Val Leu Val Ser Ser
 130 135 140

<210> 328
 <211> 138
 <212> PRT
 <213> Homo sapiens

<400> 328
 Met Pro Asn Phe Ser Gly Asn Trp Lys Ile Ile Arg Ser Glu Asn Phe
 1 5 10 15
 Glu Glu Leu Leu Lys Val Leu Gly Val Asn Val Met Leu Arg Lys Ile
 20 25 30

1001754-10001

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<210> 329
<211> 346
<212> PRT
<213> Homo sapiens
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<400>	329														
Met	Phe	Leu	Ser	Ile	Leu	Val	Ala	Leu	Cys	Leu	Trp	Leu	His	Leu	Ala
1				5					10					15	
Leu	Gly	Val	Arg	Gly	Ala	Pro	Cys	Glu	Ala	Val	Arg	Ile	Pro	Met	Cys
			20					25					30		
Arg	His	Met	Pro	Trp	Asn	Ile	Thr	Arg	Met	Pro	Asn	His	Leu	His	His
		35					40					45			
Ser	Thr	Gln	Glu	Asn	Ala	Ile	Leu	Ala	Ile	Glu	Gln	Tyr	Glu	Glu	Leu
	50					55					60				
Val	Asp	Val	Asn	Cys	Ser	Ala	Val	Leu	Arg	Phe	Phe	Phe	Cys	Ala	Met
65					70					75					80
Tyr	Ala	Pro	Ile	Cys	Thr	Leu	Glu	Phe	Leu	His	Asp	Pro	Ile	Lys	Pro
				85					90					95	
Cys	Lys	Ser	Val	Cys	Gln	Arg	Ala	Arg	Asp	Asp	Cys	Glu	Pro	Leu	Met
			100					105					110		
Lys	Met	Tyr	Asn	His	Ser	Trp	Pro	Glu	Ser	Leu	Ala	Cys	Asp	Glu	Leu
		115					120					125			
Pro	Val	Tyr	Asp	Arg	Gly	Val	Cys	Ile	Ser	Pro	Glu	Ala	Ile	Val	Thr
	130					135						140			
Asp	Leu	Pro	Glu	Asp	Val	Lys	Trp	Ile	Asp	Ile	Thr	Pro	Asp	Met	Met
145					150					155					160
Val	Gln	Glu	Arg	Pro	Leu	Asp	Val	Asp	Cys	Lys	Arg	Leu	Ser	Pro	Asp
				165					170					175	
Arg	Cys	Lys	Cys	Lys	Lys	Val	Lys	Pro	Thr	Leu	Ala	Thr	Tyr	Leu	Ser
			180					185					190		
Lys	Asn	Tyr	Ser	Tyr	Val	Ile	His	Ala	Lys	Ile	Lys	Ala	Val	Gln	Arg
		195					200					205			
Ser	Gly	Cys	Asn	Glu	Val	Thr	Thr	Val	Val	Asp	Val	Lys	Glu	Ile	Phe
	210					215					220				
Lys	Ser	Ser	Ser	Pro	Ile	Pro	Arg	Thr	Gln	Val	Pro	Leu	Ile	Thr	Asn
225					230					235					240
Ser	Ser	Cys	Gln	Cys	Pro	His	Ile	Leu	Pro	His	Gln	Asp	Val	Leu	Ile
				245					250					255	

Met Cys Tyr Glu Trp Arg Ser Arg Met Met Leu Leu Glu Asn Cys Leu
 260 265 270
 Val Glu Lys Trp Arg Asp Gln Leu Ser Lys Arg Ser Ile Gln Trp Glu
 275 280 285
 Glu Arg Leu Gln Glu Gln Arg Arg Thr Val Gln Asp Lys Lys Lys Thr
 290 295 300
 Ala Gly Arg Thr Ser Arg Ser Asn Pro Pro Lys Pro Lys Gly Lys Pro
 305 310 315 320
 Pro Ala Pro Lys Pro Ala Ser Pro Lys Lys Asn Ile Lys Thr Arg Ser
 325 330 335
 Ala Gln Lys Arg Thr Asn Pro Lys Arg Val
 340 345

<210> 330
 <211> 826
 <212> PRT
 <213> Homo sapiens

<400> 330
 Met Glu Gly Ala Gly Gly Ala Asn Asp Lys Lys Lys Ile Ser Ser Glu
 1 5 10 15
 Arg Arg Lys Glu Lys Ser Arg Asp Ala Ala Arg Ser Arg Arg Ser Lys
 20 25 30
 Glu Ser Glu Val Phe Tyr Glu Leu Ala His Gln Leu Pro Leu Pro His
 35 40 45
 Asn Val Ser Ser His Leu Asp Lys Ala Ser Val Met Arg Leu Thr Ile
 50 55 60
 Ser Tyr Leu Arg Val Arg Lys Leu Leu Asp Ala Gly Asp Leu Asp Ile
 65 70 75 80
 Glu Asp Asp Met Lys Ala Gln Met Asn Cys Phe Tyr Leu Lys Ala Leu
 85 90 95
 Asp Gly Phe Val Met Val Leu Thr Asp Asp Gly Asp Met Ile Tyr Ile
 100 105 110
 Ser Asp Asn Val Asn Lys Tyr Met Gly Leu Thr Gln Phe Glu Leu Thr
 115 120 125
 Gly His Ser Val Phe Asp Phe Thr His Pro Cys Asp His Glu Glu Met
 130 135 140
 Arg Glu Met Leu Thr His Arg Asn Gly Leu Val Lys Lys Gly Lys Glu
 145 150 155 160
 Gln Asn Thr Gln Arg Ser Phe Phe Leu Arg Met Lys Cys Thr Leu Thr
 165 170 175
 Ser Arg Gly Arg Thr Met Asn Ile Lys Ser Ala Thr Trp Lys Val Leu
 180 185 190
 His Cys Thr Gly His Ile His Val Tyr Asp Thr Asn Ser Asn Gln Pro
 195 200 205
 Gln Cys Gly Tyr Lys Lys Pro Pro Met Thr Cys Leu Val Leu Ile Cys
 210 215 220
 Glu Pro Ile Pro His Pro Ser Asn Ile Glu Ile Pro Leu Asp Ser Lys
 225 230 235 240
 Thr Phe Leu Ser Arg His Ser Leu Asp Met Lys Phe Ser Tyr Cys Asp
 245 250 255
 Glu Arg Ile Thr Glu Leu Met Gly Tyr Glu Pro Glu Glu Leu Leu Gly
 260 265 270

1001754-100901

Arg Ser Ile Tyr Glu Tyr Tyr His Ala Leu Asp Ser Asp His Leu Thr
 275 280 285
 Lys Thr His His Asp Met Phe Thr Lys Gly Gln Val Thr Thr Gly Gln
 290 295 300
 Tyr Arg Met Leu Ala Lys Arg Gly Gly Tyr Val Trp Val Glu Thr Gln
 305 310 315 320
 Ala Thr Val Ile Tyr Asn Thr Lys Asn Ser Gln Pro Gln Cys Ile Val
 325 330 335
 Cys Val Asn Tyr Val Val Ser Gly Ile Ile Gln His Asp Leu Ile Phe
 340 345 350
 Ser Leu Gln Gln Thr Glu Cys Val Leu Lys Pro Val Glu Ser Ser Asp
 355 360 365
 Met Lys Met Thr Gln Leu Phe Thr Lys Val Glu Ser Glu Asp Thr Ser
 370 375 380
 Ser Leu Phe Asp Lys Leu Lys Lys Glu Pro Asp Ala Leu Thr Leu Leu
 385 390 395 400
 Ala Pro Ala Ala Gly Asp Thr Ile Ile Ser Leu Asp Phe Gly Ser Asn
 405 410 415
 Asp Thr Glu Thr Asp Asp Gln Gln Leu Glu Glu Val Pro Leu Tyr Asn
 420 425 430
 Asp Val Met Leu Pro Ser Pro Asn Glu Lys Leu Gln Asn Ile Asn Leu
 435 440 445
 Ala Met Ser Pro Leu Pro Thr Ala Glu Thr Pro Lys Pro Leu Arg Ser
 450 455 460
 Ser Ala Asp Pro Ala Leu Asn Gln Glu Val Ala Leu Lys Leu Glu Pro
 465 470 475 480
 Asn Pro Glu Ser Leu Glu Leu Ser Phe Thr Met Pro Gln Ile Gln Asp
 485 490 495
 Gln Thr Pro Ser Pro Ser Asp Gly Ser Thr Arg Gln Ser Ser Pro Glu
 500 505 510
 Pro Asn Ser Pro Ser Glu Tyr Cys Phe Tyr Val Asp Ser Asp Met Val
 515 520 525
 Asn Glu Phe Lys Leu Glu Leu Val Glu Lys Leu Phe Ala Glu Asp Thr
 530 535 540
 Glu Ala Lys Asn Pro Phe Ser Thr Gln Asp Thr Asp Leu Asp Leu Glu
 545 550 555 560
 Met Leu Ala Pro Tyr Ile Pro Met Asp Asp Asp Phe Gln Leu Arg Ser
 565 570 575
 Phe Asp Gln Leu Ser Pro Leu Glu Ser Ser Ser Ala Ser Pro Glu Ser
 580 585 590
 Ala Ser Pro Gln Ser Thr Val Thr Val Phe Gln Gln Thr Gln Ile Gln
 595 600 605
 Glu Pro Thr Ala Asn Ala Thr Thr Thr Thr Ala Thr Thr Asp Glu Leu
 610 615 620
 Lys Thr Val Thr Lys Asp Arg Met Glu Asp Ile Lys Ile Leu Ile Ala
 625 630 635 640
 Ser Pro Ser Pro Thr His Ile His Lys Glu Thr Thr Ser Ala Thr Ser
 645 650 655
 Ser Pro Tyr Arg Asp Thr Gln Ser Arg Thr Ala Ser Pro Asn Arg Ala
 660 665 670
 Gly Lys Gly Val Ile Glu Gln Thr Glu Lys Ser His Pro Arg Ser Pro
 675 680 685
 Asn Val Leu Ser Val Ala Leu Ser Gln Arg Thr Thr Val Pro Glu Glu
 690 695 700

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Glu Leu Asn Pro Lys Ile Leu Ala Leu Gln Asn Ala Gln Arg Lys Arg
 705 710 715 720
 Lys Met Glu His Asp Gly Ser Leu Phe Gln Ala Val Gly Ile Gly Thr
 725 730 735
 Leu Leu Gln Gln Pro Asp Asp His Ala Ala Thr Thr Ser Leu Ser Trp
 740 745 750
 Lys Arg Val Lys Gly Cys Lys Ser Ser Glu Gln Asn Gly Met Glu Gln
 755 760 765
 Lys Thr Ile Ile Leu Ile Pro Ser Asp Leu Ala Cys Arg Leu Leu Gly
 770 775 780
 Gln Ser Met Asp Glu Ser Gly Leu Pro Gln Leu Thr Ser Tyr Asp Cys
 785 790 795 800
 Glu Val Asn Ala Pro Ile Gln Gly Ser Arg Asn Leu Leu Gln Gly Glu
 805 810 815
 Glu Leu Leu Arg Ala Leu Asp Gln Val Asn
 820 825

<210> 331
 <211> 92
 <212> PRT
 <213> Homo sapiens

<400> 331
 Met Ala Tyr Arg Gly Gln Gly Gln Lys Val Gln Lys Val Met Val Gln
 1 5 10 15
 Pro Ile Asn Leu Ile Phe Arg Tyr Leu Gln Asn Arg Ser Arg Ile Gln
 20 25 30
 Val Trp Leu Tyr Glu Gln Val Asn Met Arg Ile Glu Gly Cys Ile Ile
 35 40 45
 Gly Phe Asp Glu Tyr Met Asn Leu Val Leu Asp Asp Ala Glu Glu Ile
 50 55 60
 His Ser Lys Thr Lys Ser Arg Lys Gln Leu Gly Arg Ile Met Leu Lys
 65 70 75 80
 Gly Asp Asn Ile Thr Leu Leu Gln Ser Val Ser Asn
 85 90

<210> 332
 <211> 235
 <212> PRT
 <213> Homo sapiens

<400> 332
 Met Asp Pro Ala Arg Pro Leu Gly Leu Ser Ile Leu Leu Leu Phe Leu
 1 5 10 15
 Thr Glu Ala Ala Leu Gly Asp Ala Ala Gln Glu Pro Thr Gly Asn Asn
 20 25 30
 Ala Glu Ile Cys Leu Leu Pro Leu Asp Tyr Gly Pro Cys Arg Ala Leu
 35 40 45
 Leu Leu Arg Tyr Tyr Tyr Asp Arg Tyr Thr Gln Ser Cys Arg Gln Phe
 50 55 60
 Leu Tyr Gly Gly Cys Glu Gly Asn Ala Asn Asn Phe Tyr Thr Trp Glu
 65 70 75 80

100175410504

Ala Cys Asp Asp Ala Cys Trp Arg Ile Glu Lys Val Pro Lys Val Cys
 85 90 95
 Arg Leu Gln Val Ser Val Asp Asp Gln Cys Glu Gly Ser Thr Glu Lys
 100 105 110
 Tyr Phe Phe Asn Leu Ser Ser Met Thr Cys Glu Lys Phe Phe Ser Gly
 115 120 125
 Gly Cys His Arg Asn Arg Ile Glu Asn Arg Phe Pro Asp Glu Ala Thr
 130 135 140
 Cys Met Gly Phe Cys Ala Pro Lys Lys Ile Pro Ser Phe Cys Tyr Ser
 145 150 155 160
 Pro Lys Asp Glu Gly Leu Cys Ser Ala Asn Val Thr Arg Tyr Tyr Phe
 165 170 175
 Asn Pro Arg Tyr Arg Thr Cys Asp Ala Phe Thr Tyr Thr Gly Cys Gly
 180 185 190
 Gly Asn Asp Asn Asn Phe Val Ser Arg Glu Asp Cys Lys Arg Ala Cys
 195 200 205
 Ala Lys Ala Leu Lys Lys Lys Lys Met Pro Lys Leu Arg Phe Ala
 210 215 220
 Ser Arg Ile Arg Lys Ile Arg Lys Lys Gln Phe
 225 230 235

<210> 333
 <211> 291
 <212> PRT
 <213> Homo sapiens

<400> 333
 Met Gln Arg Ala Arg Pro Thr Leu Trp Ala Ala Ala Leu Thr Leu Leu
 1 5 10 15
 Val Leu Leu Arg Gly Pro Pro Val Ala Arg Ala Gly Ala Ser Ser Gly
 20 25 30
 Gly Leu Gly Pro Val Val Arg Cys Glu Pro Cys Asp Ala Arg Ala Leu
 35 40 45
 Ala Gln Cys Ala Pro Pro Pro Ala Val Cys Ala Glu Leu Val Arg Glu
 50 55 60
 Pro Gly Cys Gly Cys Cys Leu Thr Cys Ala Leu Ser Glu Gly Gln Pro
 65 70 75 80
 Cys Gly Ile Tyr Thr Glu Arg Cys Gly Ser Gly Leu Arg Cys Gln Pro
 85 90 95
 Ser Pro Asp Glu Ala Arg Pro Leu Gln Ala Leu Leu Asp Gly Arg Gly
 100 105 110
 Leu Cys Val Asn Ala Ser Ala Val Ser Arg Leu Arg Ala Tyr Leu Leu
 115 120 125
 Pro Ala Pro Pro Ala Pro Gly Asn Ala Ser Glu Ser Glu Glu Asp Arg
 130 135 140
 Ser Ala Gly Ser Val Glu Ser Pro Ser Val Ser Ser Thr His Arg Val
 145 150 155 160
 Ser Asp Pro Lys Phe His Pro Leu His Ser Lys Ile Ile Ile Ile Lys
 165 170 175
 Lys Gly His Ala Lys Asp Ser Gln Arg Tyr Lys Val Asp Tyr Glu Ser
 180 185 190
 Gln Ser Thr Asp Thr Gln Asn Phe Ser Ser Glu Ser Lys Arg Glu Thr
 195 200 205

1003754-100904

Glu Tyr Gly Pro Cys Arg Arg Glu Met Glu Asp Thr Leu Asn His Leu
 210 215 220
 Lys Phe Leu Asn Val Leu Ser Pro Arg Gly Val His Ile Pro Asn Cys
 225 230 235 240
 Asp Lys Lys Gly Phe Tyr Lys Lys Lys Gln Cys Arg Pro Ser Lys Gly
 245 250 255
 Arg Lys Arg Gly Phe Cys Trp Cys Val Asp Lys Tyr Gly Gln Pro Leu
 260 265 270
 Pro Gly Tyr Thr Thr Lys Gly Lys Glu Asp Val His Cys Tyr Ser Met
 275 280 285
 Gln Ser Lys
 290

<210> 334
 <211> 582
 <212> PRT
 <213> Homo sapiens

<400> 334
 Glu Ser Lys Gly Ala Ser Ser Cys Arg Leu Leu Phe Cys Leu Leu Ile
 1 5 10 15
 Ser Ala Thr Val Phe Arg Pro Gly Leu Gly Trp Tyr Thr Val Asn Ser
 20 25 30
 Ala Tyr Gly Asp Thr Ile Ile Ile Pro Cys Arg Leu Asp Val Pro Gln
 35 40 45
 Asn Leu Met Phe Gly Lys Trp Lys Tyr Glu Lys Pro Asp Gly Ser Pro
 50 55 60
 Val Phe Ile Ala Phe Arg Ser Ser Thr Lys Lys Ser Val Gln Tyr Asp
 65 70 75 80
 Asp Val Pro Glu Tyr Lys Asp Arg Leu Asn Leu Ser Glu Asn Tyr Thr
 85 90 95
 Leu Ser Ile Ser Asn Ala Arg Ile Ser Asp Glu Lys Arg Phe Val Cys
 100 105 110
 Met Leu Val Thr Glu Asp Asn Val Phe Glu Ala Pro Thr Ile Val Lys
 115 120 125
 Val Phe Lys Gln Pro Ser Lys Pro Glu Ile Val Ser Lys Ala Leu Phe
 130 135 140
 Leu Glu Thr Glu Gln Leu Lys Lys Leu Gly Asp Cys Ile Ser Glu Asp
 145 150 155 160
 Ser Tyr Pro Asp Gly Asn Ile Thr Trp Tyr Arg Asn Gly Lys Val Leu
 165 170 175
 His Pro Leu Glu Gly Ala Val Val Ile Ile Phe Lys Lys Glu Met Asp
 180 185 190
 Pro Val Thr Gln Leu Tyr Thr Met Thr Ser Thr Leu Glu Tyr Lys Thr
 195 200 205
 Thr Lys Ala Asp Ile Gln Met Pro Phe Thr Cys Ser Val Thr Tyr Tyr
 210 215 220
 Gly Pro Ser Gly Gln Lys Thr Ile His Ser Glu Gln Ala Val Phe Asp
 225 230 235 240
 Ile Tyr Tyr Pro Thr Glu Gln Val Thr Ile Gln Val Leu Pro Pro Lys
 245 250 255
 Asn Ala Ile Lys Glu Gly Asp Asn Ile Thr Leu Lys Cys Leu Gly Asn
 260 265 270

10015410001

Gly Asn Pro Pro Pro Glu Glu Phe Leu Phe Tyr Leu Pro Gly Gln Pro
 275 280 285
 Glu Gly Ile Arg Ser Ser Asn Thr Tyr Thr Leu Thr Asp Val Arg Arg
 290 295 300
 Asn Ala Thr Gly Asp Tyr Lys Cys Ser Leu Ile Asp Lys Lys Ser Met
 305 310 315 320
 Ile Ala Ser Thr Ala Ile Thr Val His Tyr Leu Asp Leu Ser Leu Asn
 325 330 335
 Pro Ser Gly Glu Val Thr Arg Gln Ile Gly Asp Ala Leu Pro Val Ser
 340 345 350
 Cys Thr Ile Ser Ala Ser Arg Asn Ala Thr Val Val Trp Met Lys Asp
 355 360 365
 Asn Ile Arg Leu Arg Ser Ser Pro Ser Phe Ser Ser Leu His Tyr Gln
 370 375 380
 Asp Ala Gly Asn Tyr Val Cys Glu Thr Ala Leu Gln Glu Val Glu Gly
 385 390 395 400
 Leu Lys Lys Arg Glu Ser Leu Thr Leu Ile Val Glu Gly Lys Pro Gln
 405 410 415
 Ile Lys Met Thr Lys Lys Thr Asp Pro Ser Gly Leu Ser Lys Thr Ile
 420 425 430
 Ile Cys His Val Glu Gly Phe Pro Lys Pro Ala Ile Gln Trp Thr Ile
 435 440 445
 Thr Gly Ser Gly Ser, Val Ile Asn Gln Thr Glu Glu Ser Pro Tyr Ile
 450 455 460
 Asn Gly Arg Tyr Tyr Ser Lys Ile Ile Ile Ser Pro Glu Glu Asn Val
 465 470 475 480
 Thr Leu Thr Cys Thr Ala Glu Asn Gln Leu Glu Arg Thr Val Asn Ser
 485 490 495
 Leu Asn Val Ser Ala Ile Ser Ile Pro Glu His Asp Glu Ala Asp Glu
 500 505 510
 Ile Ser Asp Glu Asn Arg Glu Lys Val Asn Asp Gln Ala Lys Leu Ile
 515 520 525
 Val Gly Ile Val Val Gly Leu Leu Leu Ala Ala Leu Val Ala Gly Val
 530 535 540
 Val Tyr Trp Leu Tyr Met Lys Lys Ser Lys Thr Ala Ser Lys His Val
 545 550 555 560
 Asn Lys Asp Leu Gly Asn Met Glu Glu Asn Lys Lys Leu Glu Glu Asn
 565 570 575
 Asn His Lys Thr Glu Ala
 580

<210> 335

<211> 709

<212> PRT

<213> Homo sapiens

<400> 335

Met Ala Glu Val Glu Asp Gln Ala Ala Arg Asp Met Lys Arg Leu Glu
 1 5 10 15
 Glu Lys Asp Lys Glu Arg Lys Asn Val Lys Gly Ile Arg Asp Asp Ile
 20 25 30
 Glu Glu Glu Asp Asp Gln Glu Ala Tyr Phe Arg Tyr Met Ala Glu Asn
 35 40 45

100176410601

Pro Thr Ala Gly Val Val Gln Glu Glu Glu Glu Asp Asn Leu Glu Tyr
 50 55 60
 Asp Ser Asp Gly Asn Pro Ile Ala Pro Thr Lys Lys Ile Ile Asp Pro
 65 70 75 80
 Leu Pro Pro Ile Asp His Ser Glu Ile Asp Tyr Pro Pro Phe Glu Lys
 85 90 95
 Asn Phe Tyr Asn Glu His Glu Glu Ile Thr Asn Leu Thr Pro Gln Gln
 100 105 110
 Leu Ile Asp Leu Arg His Lys Leu Asn Leu Arg Val Ser Gly Ala Ala
 115 120 125
 Pro Pro Arg Pro Gly Ser Ser Phe Ala His Phe Gly Phe Asp Glu Gln
 130 135 140
 Leu Met His Gln Ile Arg Lys Ser Glu Tyr Thr Gln Pro Thr Pro Ile
 145 150 155 160
 Gln Cys Gln Gly Val Pro Val Ala Leu Ser Gly Arg Asp Met Ile Gly
 165 170 175
 Ile Ala Lys Thr Gly Ser Gly Lys Thr Ala Ala Phe Ile Trp Pro Met
 180 185 190
 Leu Ile His Ile Met Asp Gln Lys Glu Leu Glu Pro Gly Asp Gly Pro
 195 200 205
 Ile Ala Val Ile Val Cys Pro Thr Arg Glu Leu Cys Gln Gln Ile His
 210 215 220
 Ala Glu Cys Lys Arg Phe Gly Lys Ala Tyr Asn Leu Arg Ser Val Ala
 225 230 235 240
 Val Tyr Gly Gly Gly Ser Met Trp Glu Gln Ala Lys Ala Leu Gln Glu
 245 250 255
 Gly Ala Glu Ile Val Val Cys Thr Pro Gly Arg Leu Ile Asp His Val
 260 265 270
 Lys Lys Lys Ala Thr Asn Leu Gln Arg Val Ser Tyr Leu Val Phe Asp
 275 280 285
 Glu Ala Asp Arg Met Phe Asp Met Gly Phe Glu Tyr Gln Val Arg Ser
 290 295 300
 Ile Ala Ser His Val Arg Pro Asp Arg Gln Thr Leu Leu Phe Ser Ala
 305 310 315 320
 Thr Phe Arg Lys Lys Ile Glu Lys Leu Ala Arg Asp Ile Leu Ile Asp
 325 330 335
 Pro Ile Arg Val Val Gln Gly Asp Ile Gly Glu Ala Asn Glu Asp Val
 340 345 350
 Thr Gln Ile Val Glu Ile Leu His Ser Gly Pro Ser Lys Trp Asn Trp
 355 360 365
 Leu Thr Arg Arg Leu Val Glu Phe Thr Ser Ser Gly Ser Val Leu Leu
 370 375 380
 Phe Val Thr Lys Lys Ala Asn Ala Glu Glu Leu Ala Asn Asn Leu Lys
 385 390 395 400
 Gln Glu Gly His Asn Leu Gly Leu Leu His Gly Asp Met Asp Gln Ser
 405 410 415
 Glu Arg Asn Lys Val Ile Ser Asp Phe Lys Lys Lys Asp Ile Pro Val
 420 425 430
 Leu Val Ala Thr Asp Val Ala Ala Arg Gly Leu Asp Ile Pro Ser Ile
 435 440 445
 Lys Thr Val Ile Asn Tyr Asp Val Ala Arg Asp Ile Asp Thr His Thr
 450 455 460
 His Arg Ile Gly Arg Thr Gly Arg Ala Gly Glu Lys Gly Val Ala Tyr
 465 470 475 480

1001754106901
 1001754106901

Thr Leu Leu Thr Pro Lys Asp Ser Asn Phe Ala Gly Asp Leu Val Arg
 485 490 495
 Asn Leu Glu Gly Ala Asn Gln His Val Ser Lys Glu Leu Leu Asp Leu
 500 505 510
 Ala Met Gln Asn Ala Trp Phe Arg Lys Ser Arg Phe Lys Gly Gly Lys
 515 520 525
 Gly Lys Lys Leu Asn Ile Gly Gly Gly Gly Leu Gly Tyr Arg Glu Arg
 530 535 540
 Pro Gly Leu Gly Ser Glu Asn Met Asp Arg Gly Asn Asn Asn Val Met
 545 550 555 560
 Ser Asn Tyr Glu Ala Tyr Lys Pro Ser Thr Gly Ala Met Gly Asp Arg
 565 570 575
 Leu Thr Ala Met Lys Ala Ala Phe Gln Ser Gln Tyr Lys Ser His Phe
 580 585 590
 Val Ala Ala Ser Leu Ser Asn Gln Lys Ala Gly Ser Ser Ala Ala Gly
 595 600 605
 Ala Ser Gly Trp Thr Ser Ala Gly Ser Leu Asn Ser Val Pro Thr Asn
 610 615 620
 Ser Ala Gln Gln Gly His Asn Ser Pro Asp Ser Pro Val Thr Ser Ala
 625 630 635 640
 Ala Lys Gly Ile Pro Gly Phe Gly Asn Thr Gly Asn Ile Ser Gly Ala
 645 650 655
 Pro Val Thr Tyr Pro Ser Ala Gly Ala Gln Gly Val Asn Asn Thr Ala
 660 665 670
 Ser Gly Asn Asn Ser Arg Glu Gly Thr Gly Gly Ser Asn Gly Lys Arg
 675 680 685
 Glu Arg Tyr Thr Glu Asn Arg Gly Ser Ser Pro Ser Gln Ser Arg Arg
 690 695 700
 Asp Trp Gln Ser Ala
 705

<210> 336
 <211> 480
 <212> PRT
 <213> Homo sapiens

<400> 336
 Met Ile Arg Ala Ala Pro Pro Pro Leu Phe Leu Leu Leu Leu Leu
 1 5 10 15
 Leu Leu Leu Val Ser Trp Ala Ser Arg Gly Glu Ala Ala Pro Asp Gln
 20 25 30
 Asp Glu Ile Gln Arg Leu Pro Gly Leu Ala Lys Gln Pro Ser Phe Arg
 35 40 45
 Gln Tyr Ser Gly Tyr Leu Lys Ser Ser Gly Ser Lys His Leu His Tyr
 50 55 60
 Trp Phe Val Glu Ser Gln Lys Asp Pro Glu Asn Ser Pro Val Val Leu
 65 70 75 80
 Trp Leu Asn Gly Gly Pro Gly Cys Ser Ser Leu Asp Gly Leu Leu Thr
 85 90 95
 Glu His Gly Pro Phe Leu Val Gln Pro Asp Gly Val Thr Leu Glu Tyr
 100 105 110
 Asn Pro Tyr Ser Trp Asn Leu Ile Ala Asn Val Leu Tyr Leu Glu Ser
 115 120 125

10037564
 10664

Pro Ala Gly Val Gly Phe Ser Tyr Ser Asp Asp Lys Phe Tyr Ala Thr
 130 135 140
 Asn Asp Thr Glu Val Ala Gln Ser Asn Phe Glu Ala Leu Gln Asp Phe
 145 150 155 160
 Phe Arg Leu Phe Pro Glu Tyr Lys Asn Asn Lys Leu Phe Leu Thr Gly
 165 170 175
 Glu Ser Tyr Ala Gly Ile Tyr Ile Pro Thr Leu Ala Val Leu Val Met
 180 185 190
 Gln Asp Pro Ser Met Asn Leu Gln Gly Leu Ala Val Gly Asn Gly Leu
 195 200 205
 Ser Ser Tyr Glu Gln Asn Asp Asn Ser Leu Val Tyr Phe Ala Tyr Tyr
 210 215 220
 His Gly Leu Leu Gly Asn Arg Leu Trp Ser Ser Leu Gln Thr His Cys
 225 230 235 240
 Cys Ser Gln Asn Lys Cys Asn Phe Tyr Asp Asn Lys Asp Leu Glu Cys
 245 250 255
 Val Thr Asn Leu Gln Glu Val Ala Arg Ile Val Gly Asn Ser Gly Leu
 260 265 270
 Asn Ile Tyr Asn Leu Tyr Ala Pro Cys Ala Gly Gly Val Pro Ser His
 275 280 285
 Phe Arg Tyr Glu Lys Asp Thr Val Val Val Gln Asp Leu Gly Asn Ile
 290 295 300
 Phe Thr Arg Leu Pro Leu Lys Arg Met Trp His Gln Ala Leu Leu Arg
 305 310 315 320
 Ser Gly Asp Lys Val Arg Met Asp Pro Pro Cys Thr Asn Thr Thr Ala
 325 330 335
 Ala Ser Thr Tyr Leu Asn Asn Pro Tyr Val Arg Lys Ala Leu Asn Ile
 340 345 350
 Pro Glu Gln Leu Pro Gln Trp Asp Met Cys Asn Phe Leu Val Asn Leu
 355 360 365
 Gln Tyr Arg Arg Leu Tyr Arg Ser Met Asn Ser Gln Tyr Leu Lys Leu
 370 375 380
 Leu Ser Ser Gln Lys Tyr Gln Ile Leu Leu Tyr Asn Gly Asp Val Asp
 385 390 395 400
 Met Ala Cys Asn Phe Met Gly Asp Glu Trp Phe Val Asp Ser Leu Asn
 405 410 415
 Gln Lys Met Glu Val Gln Arg Arg Pro Trp Leu Val Lys Tyr Gly Asp
 420 425 430
 Ser Gly Glu Gln Ile Ala Gly Phe Val Lys Glu Phe Ser His Ile Ala
 435 440 445
 Phe Leu Thr Ile Lys Gly Ala Gly His Met Val Pro Thr Asp Lys Pro
 450 455 460
 Leu Ala Ala Phe Thr Met Phe Ser Arg Phe Leu Asn Lys Gln Pro Tyr
 465 470 475 480

<210> 337

<211> 543

<212> PRT

<213> Homo sapiens

<400> 337

Met Ala Ala Ala Lys Ala Glu Met Gln Leu Met Ser Pro Leu Gln Ile
 1 5 10 15

1001754-100904

Ser Asp Pro Phe Gly Ser Phe Pro His Ser Pro Thr Met Asp Asn Tyr
 20 25 30
 Pro Lys Leu Glu Glu Met Met Leu Leu Ser Asn Gly Ala Pro Gln Phe
 35 40 45
 Leu Gly Ala Ala Gly Ala Pro Glu Gly Ser Gly Ser Asn Ser Ser Ser
 50 55 60
 Ser Ser Ser Gly Gly Gly Gly Gly Gly Gly Gly Ser Asn Ser Ser
 65 70 75 80
 Ser Ser Ser Ser Thr Phe Asn Pro Gln Ala Asp Thr Gly Glu Gln Pro
 85 90 95
 Tyr Glu His Leu Thr Ala Glu Ser Phe Pro Asp Ile Ser Leu Asn Asn
 100 105 110
 Glu Lys Val Leu Val Glu Thr Ser Tyr Pro Ser Gln Thr Thr Arg Leu
 115 120 125
 Pro Pro Ile Thr Tyr Thr Gly Arg Phe Ser Leu Glu Pro Ala Pro Asn
 130 135 140
 Ser Gly Asn Thr Leu Trp Pro Glu Pro Leu Phe Ser Leu Val Ser Gly
 145 150 155 160
 Leu Val Ser Met Thr Asn Pro Pro Ala Ser Ser Ser Ser Ala Pro Ser
 165 170 175
 Pro Ala Ala Ser Ser Ala Ser Ala Ser Gln Ser Pro Pro Leu Ser Cys
 180 185 190
 Ala Val Pro Ser Asn Asp Ser Ser Pro Ile Tyr Ser Ala Ala Pro Thr
 195 200 205
 Phe Pro Thr Pro Asn Thr Asp Ile Phe Pro Glu Pro Gln Ser Gln Ala
 210 215 220
 Phe Pro Gly Ser Ala Gly Thr Ala Leu Gln Tyr Pro Pro Pro Ala Tyr
 225 230 235 240
 Pro Ala Ala Lys Gly Gly Phe Gln Val Pro Met Ile Pro Asp Tyr Leu
 245 250 255
 Phe Pro Gln Gln Gln Gly Asp Leu Gly Leu Gly Thr Pro Asp Gln Lys
 260 265 270
 Pro Phe Gln Gly Leu Glu Ser Arg Thr Gln Gln Pro Ser Leu Thr Pro
 275 280 285
 Leu Ser Thr Ile Lys Ala Phe Ala Thr Gln Ser Gly Ser Gln Asp Leu
 290 295 300
 Lys Ala Leu Asn Thr Ser Tyr Gln Ser Gln Leu Ile Lys Pro Ser Arg
 305 310 315 320
 Met Arg Lys Tyr Pro Asn Arg Pro Ser Lys Thr Pro Pro His Glu Arg
 325 330 335
 Pro Tyr Ala Cys Pro Val Glu Ser Cys Asp Arg Arg Phe Ser Arg Ser
 340 345 350
 Asp Glu Leu Thr Arg His Ile Arg Ile His Thr Gly Gln Lys Pro Phe
 355 360 365
 Gln Cys Arg Ile Cys Met Arg Asn Phe Ser Arg Ser Asp His Leu Thr
 370 375 380
 Thr His Ile Arg Thr His Thr Gly Glu Lys Pro Phe Ala Cys Asp Ile
 385 390 395 400
 Cys Gly Arg Lys Phe Ala Arg Ser Asp Glu Arg Lys Arg His Thr Lys
 405 410 415
 Ile His Leu Arg Gln Lys Asp Lys Lys Ala Asp Lys Ser Val Val Ala
 420 425 430
 Ser Ser Ala Thr Ser Ser Leu Ser Ser Tyr Pro Ser Pro Val Ala Thr
 435 440 445

100175410601
 100175410601

Ser Tyr Pro Ser Pro Val Thr Thr Ser Tyr Pro Ser Pro Ala Thr Thr
 450 455 460
 Ser Tyr Pro Ser Pro Val Pro Thr Ser Phe Ser Ser Pro Gly Ser Ser
 465 470 475 480
 Thr Tyr Pro Ser Pro Val His Ser Gly Phe Pro Ser Pro Ser Val Ala
 485 490 495
 Thr Thr Tyr Ser Ser Val Pro Pro Ala Phe Pro Ala Gln Val Ser Ser
 500 505 510
 Phe Pro Ser Ser Ala Val Thr Asn Ser Phe Ser Ala Ser Thr Gly Leu
 515 520 525
 Ser Asp Met Thr Ala Thr Phe Ser Pro Arg Thr Ile Glu Ile Cys
 530 535 540

<210> 338
 <211> 148
 <212> PRT
 <213> Homo sapiens

<400> 338
 Pro Pro Ala Thr Ser Tyr Ala Pro Ser Asp Val Pro Ser Gly Val Ala
 1 5 10 15
 Leu Phe Leu Thr Ile Pro Phe Ala Phe Phe Leu Pro Glu Leu Ile Phe
 20 25 30
 Gly Phe Leu Val Trp Thr Met Val Ala Ala Thr His Ile Val Tyr Pro
 35 40 45
 Leu Leu Gln Gly Trp Val Met Tyr Val Ser Leu Thr Ser Phe Leu Ile
 50 55 60
 Ser Leu Met Phe Leu Leu Ser Tyr Leu Phe Gly Phe Tyr Lys Arg Phe
 65 70 75 80
 Glu Ser Trp Arg Val Leu Asp Ser Leu Tyr His Gly Thr Thr Gly Ile
 85 90 95
 Leu Tyr Met Ser Ala Ala Val Leu Gln Val His Ala Thr Ile Val Ser
 100 105 110
 Glu Lys Leu Leu Asp Pro Arg Ile Tyr Tyr Ile Asn Ser Ala Ala Ser
 115 120 125
 Phe Phe Ala Phe Ile Ala Thr Leu Leu Tyr Ile Leu His Ala Phe Ser
 130 135 140
 Ile Tyr Tyr His
 145

<210> 339
 <211> 196
 <212> PRT
 <213> Homo sapiens

<400> 339
 Met Pro Gly Met Phe Phe Ser Ala Asn Pro Lys Glu Leu Lys Gly Thr
 1 5 10 15
 Thr His Ser Leu Leu Asp Asp Lys Met Gln Lys Arg Arg Pro Lys Thr
 20 25 30
 Phe Gly Met Asp Met Lys Ala Tyr Leu Arg Ser Met Ile Pro His Leu
 35 40 45

100754-103901

Glu Ser Gly Met Lys Ser Ser Lys Ser Lys Asp Val Leu Ser Ala Ala
 50 55 60
 Glu Val Met Gln Trp Ser Gln Ser Leu Glu Lys Leu Leu Ala Asn Gln
 65 70 75 80
 Thr Gly Gln Asn Val Phe Gly Ser Phe Leu Lys Ser Glu Phe Ser Glu
 85 90 95
 Glu Asn Ile Glu Phe Trp Leu Ala Cys Glu Asp Tyr Lys Lys Thr Glu
 100 105 110
 Ser Asp Leu Leu Pro Cys Lys Ala Glu Glu Ile Tyr Lys Ala Phe Val
 115 120 125
 His Ser Asp Ala Ala Lys Gln Ile Asn Ile Asp Phe Arg Thr Arg Glu
 130 135 140
 Ser Thr Ala Lys Lys Ile Lys Ala Pro Thr Pro Thr Cys Phe Asp Glu
 145 150 155 160
 Ala Gln Lys Val Ile Tyr Thr Leu Met Glu Lys Asp Ser Tyr Pro Arg
 165 170 175
 Phe Leu Lys Ser Asp Ile Tyr Leu Asn Leu Leu Asn Asp Leu Gln Ala
 180 185 190
 Asn Ser Leu Lys
 195

<210> 340
 <211> 316
 <212> PRT
 <213> Homo sapiens

<400> 340
 Met Ala Thr Phe Val Glu Leu Ser Thr Lys Ala Lys Met Pro Ile Val
 1 5 10 15
 Gly Leu Gly Thr Trp Lys Ser Pro Leu Gly Lys Val Lys Glu Ala Val
 20 25 30
 Lys Val Ala Ile Asp Ala Gly Tyr Arg His Ile Asp Cys Ala Tyr Val
 35 40 45
 Tyr Gln Asn Glu His Glu Val Gly Glu Ala Ile Gln Glu Lys Ile Gln
 50 55 60
 Glu Lys Ala Val Lys Arg Glu Asp Leu Phe Ile Val Ser Lys Leu Trp
 65 70 75 80
 Pro Thr Phe Phe Glu Arg Pro Leu Val Arg Lys Ala Phe Glu Lys Thr
 85 90 95
 Leu Lys Asp Leu Lys Leu Ser Tyr Leu Asp Val Tyr Leu Ile His Trp
 100 105 110
 Pro Gln Gly Phe Lys Ser Gly Asp Asp Leu Phe Pro Lys Asp Asp Lys
 115 120 125
 Gly Asn Ala Ile Gly Gly Lys Ala Thr Phe Leu Asp Ala Trp Glu Ala
 130 135 140
 Met Glu Glu Leu Val Asp Glu Gly Leu Val Lys Ala Leu Gly Val Ser
 145 150 155 160
 Asn Phe Ser His Phe Gln Ile Glu Lys Leu Leu Asn Lys Pro Gly Leu
 165 170 175
 Lys Tyr Lys Pro Val Thr Asn Gln Val Glu Cys His Pro Tyr Leu Thr
 180 185 190
 Gln Glu Lys Leu Ile Gln Tyr Cys His Ser Lys Gly Ile Thr Val Thr
 195 200 205

1001754-102901

Ala Tyr Ser Pro Leu Gly Ser Pro Asp Arg Pro Trp Ala Lys Pro Glu
 210 215 220
 Asp Pro Ser Leu Leu Glu Asp Pro Lys Ile Lys Glu Ile Ala Ala Lys
 225 230 235 240
 His Lys Lys Thr Ala Ala Gln Val Leu Ile Arg Phe His Ile Gln Arg
 245 250 255
 Asn Val Ile Val Ile Pro Lys Ser Val Thr Pro Ala Arg Ile Val Glu
 260 265 270
 Asn Ile Gln Val Phe Asp Phe Lys Leu Ser Asp Glu Glu Met Ala Thr
 275 280 285
 Ile Leu Ser Phe Asn Arg Asn Trp Arg Ala Cys Asn Val Leu Gln Ser
 290 295 300
 Ser His Leu Glu Asp Tyr Pro Phe Asn Ala Glu Tyr
 305 310 315

<210> 341
 <211> 422
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 6, 10, 13, 15, 29
 <223> n = A,T,C or G

<400> 341
 gatganattt ttncnagaga gaggaagang ctattcagtt ggatgggatt aaatgcatca 60
 caaataagag aacttagaga gaagtcggaa aagtttgctt tccaagcccg aagttaacag 120
 aatgatgaaa cttatcatca attcattgta taaaaataaa gagattttcc tgagagaact 180
 gatttcaaatt gcttctgatg ctttagataa gataaggcta atatcactga ctgatgaaaa 240
 tgctctttct ggaaatgagg aactaacagt caaaattaag tgtgataagg agaagacctg 300
 ctgcatgtca cagacaccgg tgtaggaatg accagagaag agttgggtta aaaccttggt 360
 accatagcca aatctgggac aagcgagttt ttaacaaaaa tgactgaagc acaggaagat 420
 gg 422

<210> 342
 <211> 472
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 109
 <223> n = A,T,C or G

<400> 342
 ctggagaagg tgtgcagggg aaacctgtct gatgtcaccc aggccagggt gtctttctac 60
 tcgggacact cttccttttg gatgtactgc atgggtgttct tggcgctgna tgtgcaggca 120
 cgactctgtt ggaagtgggc acggctgctg cgacccacag tccagttctt cctgggtggc 180
 tttgccctct acgtgggcta caccgcgctg tctgattaca aacaccactg gacgatgtc 240
 cttgttggcc tcctgcaggg ggcactgggt gctgccctca ctgtctgcta catctcagac 300
 ttctctaaag cccgaccccc acagcactgt ctgaaggagg aggagctgga acggaagccc 360
 agcctgtcac tgacgttgac cctgggagag gctgaccaca accactatgg ataccgcgac 420

472

```
<400> 343
gtcctggggcc ttccccttcc ctcaagccag ggctcctcct cctgtcgtgg gctcattgtg 60
accactggcc tctctacagc acggcctgtg gcctgttcaa ggcagaacca cgacccttga 120
ctcccgggtg gggaggtgg                                     139
```

<400> 344						
ctgcgggctc	agcacagtag	acatgactgg	gatccccacc	ttggacaacc	tccagaaggg	60
agtccaattt	gctctcaagt	accagtcgct	gggccagtg	gtttacgtgc	attgtaaggg	120
tgggcgctcc	aggagtgcc	ctatggtggc	agcatacctg	attcaggtgc	acaaatggag	180
tccagaggag	gctgtaagag	ccatcgccaa	gacccgggtca	tacatccaca	tcagg	235

<400>	345						
ctgtaagggtg	ctatttcagtc	ctgtgaccct	tatttttgaa	tgctcttcat	tactgttgct	60	
ctgttttggtg	acttcctggg	aaaccgccta	ctttgggtgtg	gtgtcacctt	gagctgtgca	120	
cataggacac	cagttttgac	ttaacctaac	aggcagtttt	tatctctagc	tttttcaagc	180	
cagggtattga	gcagttttctt	ggccaatggc	ctgagaaacc	acctgtccct	gtcaaggggt	240	
gatttttattg	gttttaagtg	gggaagtaat	cccatgtact	tatttcttaa	atacctagga	300	
agtctctctt	ggtggctcct	cttggccctc	ccctctttct	ccccaaccc	accatcctgc	360	
aaggcaagga	atggcctctc	cctccacaga	ggcaacggct	gcagagggag	cactgtggct	420	
gccatcccag	ttctcttca	aagccaaaca	gacacgcg			458	

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<220>
<221> misc_feature
<222> 41, 42, 47, 48, 49, 161, 316, 324, 326, 327, 379, 455, 509
<223> n = A,T,C or G
```

<400>	346						
ccagagcaca	acgcctcacc	atggactgga	cctggaggat	nntcttnnng	gtggcagcag	60	
ccacaggtgt	ccactcccaa	gcccaacttg	tgcagtctgg	ggctgaggag	aagaagcctg	120	
gggcctcagt	gactatttct	tgtaaggctt	ctggatatat	ncttactaaa	tatactttac	180	
attgggtgcg	ccaggccccc	cccgacaaaa	gacctgaatg	ggtgggatgg	atcaacactg	240	
gcattgatac	cgtaaatat	tcacagaagt	ttcaggacag	agtctccatt	acctgggact	300	

catccgcgac cacagnctac ctgnanntga gtagcctgga atccgaagac acggctgtgt 360
 attactgtgc gagacttang gcccgttcgc tgtggtggga cttaatgacg cttttgacat 420
 ctggggccaa gggacagtgg tcaccgtctc ttcanggagt gcattcgccc caaccctttt 480
 cccctctct cctgtgaaga attccccgnc ggatacgagc agcgt 525

<210> 347
 <211> 423
 <212> DNA
 <213> Homo sapiens

<400> 347
 ccagacgctg acttgtttct gagtccttaa gcaggaagga tttgaaatcc tggagcttgg 60
 cagtcttgct cttcacctct aagccaatgt tgaccccttc atctataaag tccacaactc 120
 tccggaagtc atoctcacgg aactgtcgag aagttaaggc tggggcccca agccgcaggc 180
 cgcccggtgt gatggcaact cggctctccag gacaggtgtt cttggtggca gtgatggata 240
 caagctctag caccgcgtca gcccgagctc catccaggcc cttggggccgc aggtccacca 300
 gcaccaggtg gttgtcagta ccacctgata ccagtgahta gcctcgctct agcagggcat 360
 ctgccatggc ccgagcattc ttcagaacct gcagggagta ctcccgaac atgggggtgc 420
 agg 423

<210> 348
 <211> 513
 <212> DNA
 <213> Homo sapiens

<400> 348
 cctctaggcc tgatgctctc agaggcaata gaagaaaagt aaaaggaagg tctcacttca 60
 cagacaatga aacctccta accctcttcc ccactacca caactcccta cactgccaat 120
 ctaaataaaa agaggacaat gcatgagtgt gagatacaca tacacacaca cacatacaca 180
 cacacacacg cacagcttcc ttccagccaa agaactgcaa aatccttccc cggaaggagg 240
 acaactggca acaccaatca aggcttggtg gtctaagggt atggctggaa tcatgtgaga 300
 ctggtataaaa tccagggaga aaatgtttca ccttcagctc attcccaagt ctctatgaag 360
 cccgccccac ttccacatag gggaactgtg gctctggggg cagcctctgc agctactcag 420
 aataggtggg aggaggggct ggctttgagg ctgccttagc catgaggctc tttgcctagg 480
 aatagctgga gatgggagct gcagggggct cag 513

<210> 349
 <211> 231
 <212> DNA
 <213> Homo sapiens

<400> 349
 ccttatttct cttgtccttt cgtacaggga ggaatttgaa gtagatagaa accgacctgg 60
 attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
 atagcggtcg caccatcggg atgtcctgat ccaacatcga ggctgtaaac cctattgttg 180
 atatggactc tagagtagga ttgcgctgtt atccctaggg taacttgttc c 231

<210> 350
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 350
 ctgcccgaagg gcgttcgtaa cggaatgcc gaagcgtggg aaaaaggag cggtggcgga 60

```

agacggggat gagctcagga cagagccaga ggccaagaag agtaagacgg ccgcaaagaa 120
aatgacaaa gaggcagcag gagagggccc agccctgtat gaggacccc cagatcagaa 180
aacctcacc agtggcaaac ctgccacacc caagatctgc tcttggaatg tggatgggct 240
tcgagcctgg attaagaaga aaggattaga ttgggtaaag gaagaagccc cagatatact 300
gtgccttcaa gagaccaa atgtcagagaa caaactacca g 341

```

```

<210> 351
<211> 256
<212> DNA
<213> Homo sapiens

```

```

<400> 351
ggcgttgggg acggttgtag gacgtggctc tttattcgtg agttttccat ttacctccgc 60
tgaacctaga gcttcagacg ccctatggcg tccgcctcga cccaaccggc ggccttgagc 120
gctgagcaag caaaggtggt cctcgcggag gtgatccagg cgttctccgc cccggagaat 180
gcagtgcgca tggacgaggc tcgggataac gcctgcaacg acatgggtaa gatgctgcaa 240
ttcgtgctgc ccgtgg 256

```

```

<210> 352
<211> 368
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 21
<223> n = A,T,C or G

```

```

<400> 352
cctttcttgt aagtgaagaa naaggaatgc agcaaagaag agttcgacat tggagtcctt 60
agttccatca ggatcccatt cgcagccttt agcatcatgt agaagcaaac tgcacctatg 120
gctgagatag gtgcaatgac ctacaagatt ttgtgttttc tagctgtcca ggaaaagcca 180
tcttcagtct tgctgacagt caaagagcaa gtgaaacat ttccagccta aactacataa 240
aagcagccga accaatgatt aaagacctct aagggtccat aatcatcatt aaatatgccc 300
aaactcattg tgacttttta ttttatatac aggattaaaa tcaacattaa atcatcttat 360
ttacatgg 368

```

```

<210> 353
<211> 368
<212> DNA
<213> Homo sapiens

```

```

<400> 353
ctgaggggtg gcagtaagca atgaggatgg gctataaagc tgttaactgg ctaagggcca 60
tccttgggca ggcatttcag acacatctgt agagagggca gtagcatctc cgataggcca 120
gctctgaagg aagcttaatg cttaatacag tcacactgca taaattagct tagaatgctc 180
tcttgggtaa aaaatattaa tagtgtatat gcacttgaag agcaaaattc ctcaagaaaa 240
aaagtttaat agcaaggagt ttccatcagt cccgtctctt gtgaggatta ccacaacaaa 300
cacttaaaag gatacaacag gtacttatta aatgctgcct tgccttttac ctcttccttt 360
ttttttt 368

```

```

<210> 354
<211> 380
<212> DNA

```

<400> 358
aaaagggtttc taaaacatga cggagggttga gatgaagctt cttcatggag taaaaaatgt 60

```
<210> 359
<211> 549
<212> DNA
<213> Homo sapiens
```

```
<210> 360
<211> 289
<212> DNA
<213> Homo sapiens
```

```
<210> 361
<211> 311
<212> DNA
<213> Homo sapiens
```

<210> 362
<211> 496

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 14
<223> n = A,T,C or G

<400> 362
ccagtttcta aaanaatgca catttaaaga gaagcatcta ccacggcttt aaaacaaaac 60
aactctgaga tgaacaatat gtgtttatact cagagattaa caatctcaat catacatact 120
gattctttca gacatttaaat aaccactaca tttttttgca ttaatgaagt ttgactatat 180
gtgtaaaggg actaaatatt tttgcaacag cctgttcttt gttcattctt ttctggatag 240
cgtgtcctct gtattgcggt agattttatac attctgttgc cttaaataatgt gtgtaaaaatg 300
agctgataaa ctggagtact acttaaaaaa aagtctgtga ttataagat gcatatgctt 360
tctatgtgaa tataagcttg tgcacaatgt ttaaaagaaa aacaatgaat tagaagagat 420
ccccgtccc ccagtctgac atatttcata cagaatgttt aaaagaaaaa ctctgctagt 480
cttgcaaac atttgg 496

<210> 363
<211> 673
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 16
<223> n = A,T,C or G

<400> 363
ccaagaggga gataanacaa acttctcaaa caaaaagaaa agaaaaacga atgattcatc 60
tgctttaatc agtgtgatta atgcagcacc cattgccccg ggaaccggtt ctgctgtact 120
atctggatac taaaatgtta cggaagtagc tctttgttct ccctcactct gcccttagtt 180
aatagaaatt cagactcgcc aagtaaggct ttgtgcatag tgtcttcatg tcgcgtatag 240
ttgagcgcgt tcttagcagt tggcttcatg gacagctcat tagtgttttg acttttctta 300
cccagcgtta attgaattct tgcttttaga caacttcctt tttgtagtgg tgaaccttgc 360
ccttttagtac agttcaagtg aatctggata attgttcatc tttgctttag cttagatacc 420
atgtagtggg ctgtggctac aggaagctgg ttctgtctgc ttccacagtc tgcttaaaaa 480
actgtctgac ttcgtgaata tagagaccaa gtttaccact tctgatgaag agaccaatta 540
agattcattc ctcattctgt ttctttccag tgggagaaga gtcccatga aataagatga 600
aactgattcc atgcactagt acatgtaggc ttctcccttg cgcaaagctt aacaatttgt 660
aggaaacttt ggg 673

<210> 364
<211> 495
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 13
<223> n = A,T,C or G

<400> 364

100154000

```

ccaaatgttt gcncaagact agcagagttt ttctttttaa cattctgtat gaaatatgtc 60
agactggggg acgggggatc tcttctaatt cattgttttt cttttaaaaca ttgtgcacaa 120
gotttatattc acatagaaag catatacatc ttataaatca cagacttttt tttaagtagt 180
actccagttt atcagctcat ttacacaca tatttaggca acagaatgta taaatctacc 240
gcaatacaga ggacacacta tccagaaaag aatgaacaaa gaacaggctg ttgcaaaaat 300
atthagtccc ttacacata tagtcaaact tcattaatgc aaaaaatgta gtggttatta 360
aatgtctgaa agaatcagta tgtatgattg agattgttaa tctctgagta taacacatat 420
tggtcatctc agagttgttt tgttttaaag ccgtggtaga tgcttctctt taaatgtgca 480
tttttagaa actgg 495

```

```

<210> 365
<211> 291
<212> DNA
<213> Homo sapiens

```

```

<400> 365
aactgacaag cccttgcgcc tgcctctcca ggatgtctac aaaattggtg gtattggtac 60
tgttctgtt ggcccgagtg gagactggtg ttctcaaacc cggtatggtg gtcacctttg 120
ctccagtcaa cggtacaacg gaagtaaaat ctgtcgaaat gcaccatgaa gctttgagtg 180
aagctcttcc tggggacaat gtgggcttca atgtcaagaa tgtgtctgtc aaggatgttc 240
gtcgtggcaa cgttgctggt gacagcaaaa atgaccacc aatggaagca g 291

```

```

<210> 366
<211> 277
<212> DNA
<213> Homo sapiens

```

```

<400> 366
ctggatggtg cctcagaagg tgcattctgc ttctgcaggg gcttgaaaca ccaaggcaact 60
ccagggatcc tggagtcaaa gcagcagccc cggttgttgc actccttggg ggtgacatgg 120
gggtagcccg cagtcacccc tgtccttggc tggcacggca cactggtttg cagacaggcc 180
cacgtactcc tcagcagagc tggaggacaa gcaaggccag gaccagcccc agcatgcaga 240
gcgctctggc agccatgacc accgtgggct ccggggac 277

```

```

<210> 367
<211> 311
<212> DNA
<213> Homo sapiens

```

```

<400> 367
ccagagctgc ggggcctcag tacacggagc tgttccggat gccacagcac agcaccatgc 60
tcaggatcat ctogaagatc atgatcacag cgaccacgat ggcagcaatg ccgatgaggt 120
acagcttccc ggagaagagg tcatcgatct tctggtggca gtctccttg aagaggttgc 180
tgatgatgtt gctgcccag ggacacaaat tgttcttgag cactgaggtg gtcaaagcag 240
tcagtgtgct ggagccacag cagtcaagcg tctcgtggaa ggtcttcacc acagccttgc 300
cgttgttggc g 311

```

```

<210> 368
<211> 384
<212> DNA
<213> Homo sapiens

```

```

<400> 368
ccaaaggggt ctctagctgc tgctctgctg ctctgctca tggatgagtt tggcgatggg 60

```

```

gccggtgatg ccgcctatca aggtccagta ctcatcgaag ctgatgcgcc catcaggatt 120
ggcatccagg ttctggatga gcttatccgc agccttccgg ttccctgtgt ccgacagcat 180
gtgggttcagc tctttctgga gcatctcgcg gaagctgctc ttgctgatct tgttcttgac 240
caggctgtac ctagacacat atttgtagaa gttttccacc aggacaatga ctgccttctc 300
cagctccgtg tagcaagtct gacatctccc tgcttcgcct gctggcgggg cctaaggcgg 360
gggccaagcc cagttacagc ccag                                     384

```

<210> 369
 <211> 216
 <212> DNA
 <213> Homo sapiens

```

<400> 369
ccaagtgccg ggtggctttc agcagcttcc tacgatcagc cgaagaaagc agaagctctg 60
gaggctgccg tcgagaacct caatgaagcc aagaactatt ttgcaaagggt tgactgcaaa 120
gagcgcatca gggacgtcgt ttacttccag gccagactct accataacct ggggaagacc 180
caggagagga accggtgtgc gatgctcttc cggcag                                     216

```

<210> 370
 <211> 561
 <212> DNA
 <213> Homo sapiens

```

<400> 370
ctggctcctt cttttgtggt cgtttggggg atgggctggt ttggggttta ggtgcagaga 60
atggtttggt gccactgctt actggaccac tctgagcctt cagggcagggt ttcttgtgag 120
tcttcatgtc atcagataca tgtttcagggt catgtgtaat gctctcccc tgattaatct 180
gcgcgaacag tgctgagcgg gaagcagact catctgagcc tgaactggta gagactgggg 240
gaggaggggg gcctggtgga gggggaggag gacctgatcc ggagaggggt ccagatggca 300
gtccgctcag ttcttttgcc acaggccccg ttttgctcca ggccagtccg gtggtatgga 360
actccttaat gtaagcctgc agctctgtcc atatacttaa ataagctttg acccagtcta 420
catgcttctt atccacatct ttgtactctt tgaggactcg gtttgtataa aacatggcgg 480
catcattcat ttctttcgca taagggccag gcttggggagc catagccacc cagcccaggg 540
cctgatactt ttcgctgaca g                                     561

```

<210> 371
 <211> 518
 <212> DNA
 <213> Homo sapiens

```

<400> 371
cccacttcca tcgctctctg gtgtgaggca cagcgagggc agcatctgga ggagctctgc 60
agcctccaca cctaccaaga cctcccagggt ctgggctcag gaaaaaccag ccactgcttt 120
acaggacagg gggttgaagc tgagccccgc ctcacacca ccccatgca ctcaaagatt 180
ggattttaca gctacttgca attcaaaatt cagaagaata aaaaatggga acatacagaa 240
ctctaaaaga tagacatcag aaattgttaa gttaagcttt ttcaaaaaat cagcaattcc 300
ccagcgtagt caagggtgga cactgcacgc tctggcatga tgggatggcg accgggcaag 360
ctttcttcct cgagatgctc tgctgcttga gagctattgc tttgttaaga tataaaaagg 420
ggtttctttt tgtctttctg taagggtggac ttccagcttt tgattgaaag tctagggtg 480
attctatttc tgctgtgatt tatctgctga aagctcag                                     518

```

<210> 372
 <211> 335
 <212> DNA

```
<210> 373
<211> 467
<212> DNA
<213> Homo sapiens
```

```
<210> 374
<211> 284
<212> DNA
<213> Homo sapiens
```

```
<210> 375
<211> 307
<212> DNA
<213> Homo sapiens
```

```
<210> 376
<211> 650
<212> DNA
<213> Homo sapiens
```


<220>
 <221> misc_feature
 <222> 7, 10, 13
 <223> n = A,T,C or G

<400> 376
 ccattgncn ctnacgtgat gtcacatct gccaggtcat cttggcaaaa gtcggagcat 60
 ttctcagtca ctgcaaagta gcccttctcg ttggagcacc ggaagagacg tgtgtgtttc 120
 atgtactcgg catcgcatc atagggcttc tgtgcccac tgcccaccca gaagaagttc 180
 tcaggctcct caccttcgtt gataacctgc ttgctgtagg aggtgtcaaa catggtgttc 240
 aggatgtctt ctgccaaactt ggcttcgtca gggctctgatg cccggccac ccaggcatac 300
 acgatgccct gggtgtcctc actctcaaag ggaaccttga ggatgaagca gaactcggag 360
 ttgaggaggc tggagtcggt gttgatcttg atgcaccggg tgcagagggc gctgccgttg 420
 gtgcggatct ggtagaggct gggctgttg gcgccctgga ccgccttcct cttgccccgg 480
 tggatgatga acttctctt gaaatgggac aggaacttgg gggtctcctg ctgctgcgtc 540
 atgcgtacca cctccagctt ccaggggaag aggtctctga acttcttttg caggctgaag 600
 gtgaaggtga cccaccata ttgggaggct ttcacggccc tgccagaagt 650

<210> 377
 <211> 306
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 38
 <223> n = A,T,C or G

<400> 377
 tctagatgca tgctcgagcg gccgccagt tgatgganat ctgcagaatt cgcccttcga 60
 gcggccgccc gggcaggctt ggggtgctgcc ttacactgcc aggccttc ccgctagctt 120
 ggggcagaca gagctgcgtc cagtggaaact aaagccgttc caggattatc aaaaactgag 180
 cagcaacctt gggggacctg gatcatcacg gactcccca actggaaggt cttctctgag 240
 cctcaattcc cgtctcaagg ccacgccttc cacctacagt ggagtcttc gcaccagcg 300
 cgtcga 306

<210> 378
 <211> 199
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 6
 <223> n = A,T,C or G

<400> 378
 ccacangtgg cacttgggtg tggctectct gttatttgc tcatgtgag aaagcagatc 60
 atctccaaat cttgccattt gtatactttt ggtggagact tggatgtcat atcttctttg 120
 ttttgggttt tottccctag cttattttgt ggcttttaaa gaagtggatt gtattgtgag 180
 atcctgtgat tctggttg 199

<210> 379

10075410001

```
<220>
<221> misc_feature
<222> 9
<223> n = A,T,C or G
```

```
<210> 380
<211> 555
<212> DNA
<213> Homo sapiens
```

```
<210> 381
<211> 406
<212> DNA
<213> Homo sapiens
```

```
<210> 382
<211> 528
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 18, 20
```

<223> n = A,T,C or G

<400> 382

```
ctgagcagtt tgtgggtnn tcttcccga agtttcagga agtattcaca aaagaaaaat 60
acattttttt cccaggggt ggggcaagga cagtggagag agtgctagga aatgagtccc 120
ctgggaaagg ggaccgggcc gtgatgttaa atatctccg ctccaagtg actggatttg 180
cctaggacct tcagaccaac agacttcaga cctcagacc tgccccggg ccaggtggag 240
aaagtgaggg ccgtacaagg aagtgaatt ctgagttggt ggggctaagc ctgacccct 300
ctccatgctc cccgccccaa cccactctgg cctcagtaga ttttttttc agttgtggt 360
gttgcccagg ctggagtgc gtagcgcat cttggctcac tgcacctcca cttccgggc 420
tcaagcgatt ctccagcctc agcctcctga gtagctagga ctgcaggtgc tccaccacgc 480
ccggctaatt tttgtatttt tagtagagat ggggtttccc catgttgg 528
```

<210> 383

<211> 335

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 5, 321

<223> n = A,T,C or G

<400> 383

```
ccatnttgag tctactcctg cgtcttgtgc cctagcacc cgagaaccgt cagtttgagc 60
cagatggaag ctgagctgaa cacattacga tggatgatgg aaacataaga ctatcaagaa 120
atccaagtgg taatgggcga agtttattca gcatccggca atggacttat cgtagttggg 180
gaaacgggtg ttccgaataa tctcctggaa gttatcagga cacctatttt aaatataggc 240
ctgaattttg taaagtaata ttttaagggtg tccgtgataa ttaaataaaa tgcttaattc 300
atgtggcgaa aaaaaaaaaa naaaaaaaaa aaaaa 335
```

<210> 384

<211> 333

<212> DNA

<213> Homo sapiens

<400> 384

```
agtccaatac ggctattggg gttgtagcag ctttcagagg aaattagtgg tctgggcttg 60
cctccagctc cccaggggca gccccagtag ctacactgtc cagacagcac aagaccaggc 120
tggtgtcacg tccatccgag cgctgcctca gggatcgata aagtttcact gcagaaagtc 180
tccactgcgg tatgctgaca tctgccctga accttcaccc tacagcatta caggctttaa 240
tcagattctg ctggaagac acaggtgat ccacgtgacc tcttctgcct tccactgggt 300
ggggtgatcc ttggtgcctt tgtttccaca agg 333
```

<210> 385

<211> 343

<212> DNA

<213> Homo sapiens

<400> 385

```
ctgtgacacc tcaggttgaa agggctcttc tccttgaaca cccaccgagg ggcttgagc 60
aacagccagc cgatatggac ttctagctgc accgggtcac tgagggtgga gaggtttgtc 120
tggcacctgt actctccact gtcgtcgact gtggcagcgt caatgaagta gctcgaggcc 180
tggcttgaga tgaggctctc attgtgaaac cactgtgtgg aattgtcctc aggggagtag 240
```

gctccctggc acttcagagt cacactgtcc ttctcgagca ccctgtacca ttgaggctcc 300
 aggaacacca cagcctttgg gagatcttca gtccgcatgc caa 343

<210> 386
 <211> 244
 <212> DNA
 <213> Homo sapiens

<400> 386
 tattctttga ttcttggcaa ataggtgaga gaactaatag caaccaggca actgaggacg 60
 aagtcaaaaa gtcggtaaca gaagaatgga atcagccaac ccacttgata agaaattgct 120
 ccataaacca gcattgaact gattataaac ataagaacag agacggcaaa aagaacacag 180
 gcattatcag ccattctctc agacgaatag taattaccga tgacttcata ctgaatgttg 240
 acag 244

<210> 387
 <211> 504
 <212> DNA
 <213> Homo sapiens

<400> 387
 atctggagtc cagcctcagg gatgcgctac tttccattct ctgcattgaa cattcgttct 60
 gtcagcatcc gtcagcgtt cactgcatca gcggcaaaact tgcggatccc gtcagagagc 120
 ttctccacag ccattctggc ctctgtgtgc aaccaacgga aagacttctc atccagggtg 180
 attttttcca ggctactggc ttgggcccgc ttggctgaga gcacaggcac cagcttggcg 240
 ttgtcctgca gcagctctcc caggagcttg ggtgggatgg tgaggaagtc acagccggcc 300
 agtgctttga tctcgcccggt gttgcggaag gaggcgcca tgacaatggt tttgtagcta 360
 aacttcttgt agtagttgta gatttttagtg acactcttta cccaggggtc ttccaggggc 420
 tcataggatt tcttgtcggg gtttgccaca tgccaatcaa ggatgcgccc aacaaatggg 480
 gagatgaggg tcacacccgc ctgc 504

<210> 388
 <211> 450
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 14, 199, 210, 218, 231, 267, 271, 290, 330, 342, 383, 390,
 395, 399, 405, 414
 <223> n = A,T,C or G

<400> 388
 gccaaagtgc tgcntgaatt ccactccctt gggtttcgcc tgcccagcgt tgetgtttgc 60
 gtggaggggtg gggggagctc agtggcaggg aatcagcggg ccgtgggggtc gtggggacgg 120
 gaacatgtgc ccgaccgctc catccctcc tctccttag gatgcataac ctacctgtgc 180
 tttttttttt taaattttnt ttccagggtan agtagctntt tgtacataaa naatacttga 240
 aaaattaatt gtatgatgta tgaaaanaca nagtctccta gttttgtatn ttgttgtatg 300
 actgccatga gttccaccaa aaagccactn tatttttggtc tntgtgacat tttaaatgcg 360
 tgacaaaagt gagcaaataa agngaggaan aaatntatnt atganataat atanattgta 420
 ttgaaatcta aaaaaaaaaa aaaaaaaaaa 450

<210> 389
 <211> 297

<212> DNA
 <213> Homo sapiens

<400> 389
 cctgcacttg aacatggcctt tggttttaag caacttctct accctgaccc tcctcctggg 60
 acagcgtttc gggaggtttc ttggcctcac tgagagggat gtggagctgc tgtaccccgt 120
 caaggagaag gtattctaca gcctgatgag ggagagcggc tacatgcaca tccagtgcac 180
 caagcctgac accgtagget ctgctctgaa tgactctcct gtgggtctgg ctgcctatat 240
 tctagagaag ttttccacct ggaccaatac ggaattccga tacctggagg atggagg 297

<210> 390
 <211> 223
 <212> DNA
 <213> Homo sapiens

<400> 390
 ctgggctgga gagttggtgc tggcaaaaaca gtccttcccc tggggccggg tcttaccag 60
 gtccagagaa accaacgcgg gatgtcagac ttcacaaaaa ggactttctg gttgcccttg 120
 gctggcttcc tggaggcggt cgcctctagt ttctcaggga tggagcgaga gccagccag 180
 agaacagtaa gaggagctgc tctcctatct gcactcacc agg 223

<210> 391
 <211> 365
 <212> DNA
 <213> Homo sapiens

<400> 391
 ctgaggaaga aatgaaaaaa gaccctgtcc ctcatggccc gccactggc ctctgtgaa 60
 ctctgtcctg ttgccaaccc cagatgaagt cagcaaaaaa gtgctttcca catcctctct 120
 ctggggctgc ccagcctgac cgtaggggat ccactggcag agccaagggt gatgctggtg 180
 cctgaagctg gaagccagca ggacatgaga cccctcctgt agcaggaagt ggttctagaa 240
 ctcccagcag aacagaacgg aaaaggagct gattggggat agaatgagtt ctgctaaaca 300
 gccagatgct ctgagagagg tgacactgga ctgtctcgga ggtgtgtgca gatggctaca 360
 ggtgg 365

<210> 392
 <211> 302
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 28
 <223> n = A,T,C or G

<400> 392
 ccaagagcta caatgagcag cgcatacanga cagaacgtgc aggtttttga gttccagttg 60
 actgcagagg acatgaaagc catagatggc ctagacagaa atctccacta ttttaacagt 120
 gatagttttg ctagccaccc taattatcca tattcagatg aatattaaca tggagagctt 180
 tgctgatgt ctaccagaag ccctgtgtgt ggatggtgac gcagaggacg tctctatgcc 240
 ggtgactgga catatcacct ctacttaaat ccgtcctgtt tagcgacttc agtcaactac 300
 ag 302

<210> 393

<211> 213
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 13, 19
 <223> n = A,T,C or G

<400> 393
 ccaataatca agnacaaana ctggatttga ggatggatca gttctgaaac agtttctttc 60
 tgaaacagag aaaatgtccc ctgaagacag agcaaaatgc tttggaaaga atgaggccat 120
 acaggcagcc catgatgccg tggcacagga aggccaatgt cgggtagatg acaaggtgaa 180
 tttccatttt attctgttta acaacgtgga tgg 213

<210> 394
 <211> 334
 <212> DNA
 <213> Homo sapiens

<400> 394
 cctacccata atccagagag gcttgcccag aggaggacta cgtgggggac gtgccaccag 60
 aaccctactt gggggcgga tgctactccg aggtcaaaac ctgctccgag gtggacgagc 120
 cgtagctccc cgaatgggct taagaagagg tgggtgttcga ggctcgtggag gtcctgggag 180
 agggggccta gggcgtggag ctatgggtcg tggcggaatc ggtggttagag gtcgggggtat 240
 gataggtcgg ggaagagggg gctttggagg ccgaggccga ggccgtggac gagggagagg 300
 tgcccttgct cgccctgtat tgaccaagga gcag 334

<210> 395
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 395
 ccagatgagg aaaaaaatta ggaaggagat gaagttttcc aaatttcatg gtatatgctg 60
 cacttcccca accttactc tccatgtagc ctactgggtc tactattcca caaagtgggt 120
 caacctccaa atgacctctg gtttaccct attaaaatcc caaaggactt tcag 174

<210> 396
 <211> 140
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 20
 <223> n = A,T,C or G

<400> 396
 ctgcaaagcc ttgtgtaacn ttctccagca tttggaccca gtacgtgaaa gccacaaca 60
 cgttcattgt ctttagtatt acagattatt tttgcataac atttggtgtt atctcttgac 120
 ggaatcgtcc attccaatgg 140

<210> 397

10075410601

```
<400> 400
ctggcttcac tgctcaggtg attatcctga accatccagg ccaaataagc gccggctatg 60
cccctgtatt ggattgccac acggctcaca ttgcatgcaa gtttgctgag ctgaaggaaa 120
```

```
<210> 401
<211> 180
<212> DNA
<213> Homo sapiens
```

```
<210> 402
<211> 385
<212> DNA
<213> Homo sapiens
```

```
<210> 403
<211> 440
<212> DNA
<213> Homo sapiens
```

<400>	403						
ctgtttaacc	agnaaccocgg	ggggtcaccc	cccacagaat	gtacatgaaa	cactagagga	60	
ctgcatgttt	ttccctgaga	gaagcgtaag	acaaacagaa	gtcaaaaagt	agtcactggg	120	
agcgccatcc	ttctaagcaa	atcctccctt	tcccttttgg	aggatttgcc	cgaactacgt	180	
agccagtcag	cacttagacc	acctgcctcc	tccccccct	ataaaccac	cactccccctc	240	
ctcctttccc	aaaccacttg	gggtgtccta	agccctcact	gccccaaagg	caaaaatatca	300	
gctaagatcc	ttgtcagtat	ttccacagtc	atacctaata	aattgggaag	tggggcccct	360	
aaaaaccaat	tcacatctat	gcacttggtt	ccactggatt	tggcagacag	gcttttttag	420	
ttaccgtaac	cagatcttaa					440	

<210>	404
<211>	239

<212> DNA
<213> Homo sapiens

<400> 404
cctacgaaaa actcccggcc ggtgaagaga acgtcagtgc catccagcgt cgcgtttctcg 60
tctcctatatt ccacaattcg gagccccagg tcttgcaggg ctttgcggac tccatcgacc 120
tctggcctac gagcggggct ccaggggcgc gtgattaggg ccgtgtcccc ttggatcacg 180
gccgtgtcgc caagcagcgg tcccagcggc aatgactcct caggtggcag ttctagcag 239

<210> 405
<211> 261
<212> DNA
<213> Homo sapiens

<400> 405
ctggagaggc agcccttcac cggatgcccc gctccgtgcc cctgcggggc ccagcacagt 60
ttaccttctc cccccacggc ggtcccatct actctgtgag ctgttcccc ttccacagga 120
atctcttctc gagcgtctgg actgacgggc atgtccacct gtactccatg ctgcaggccc 180
ctcccttgac ttcgctgcag ctctccctca agtatctgtt tgctgtgcgc tgggtccccag 240
tgcggccctt ggTTTTTgca g 261

<210> 406
<211> 641
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 13
<223> n = A,T,C or G

<400> 406
ctgctccccg gcntggtggc agcaagtaga catcgggcct gtgcagggcc acccccttgg 60
gccgggagat ggtctgcttc agtggcgagg gcaggctctgt gtgggtcacg gtgcacgtga 120
acctctcccc ggaattccag tcatcctcgc agatgctggc ctcacccacg gcgctgaaag 180
tggcattggg gtggctctcg gagatgttgg tgtgggtttt cacagcttcg ccattctggc 240
gggtccagga gatggtcacg ctgtcatagg tggtcaggtc tgtgaccagg caggtcaact 300
tgggtggactt ggtgaggaag atgctggcaa aggatggggg gatggcgaag acccggatgg 360
ctgtgtcttg atcggggaca cacatggagg acgcattctg ctggaaggtc aggccccctgt 420
gatccacgcg gcagggtgaac atgctctggc tgagccagtc gctctctttg atggtcagtg 480
tgctggtcac cttgtaggtc gtgggcccag actctttggc ctcagcctgc acctgggccg 540
tggtgacgcc agacccccacc tgettccctc cgcgcagcca ggacacctga atctgccggg 600
gactgaaaacc cgtggcctgg cagatgagct tggacttgcg g 641

<210> 407
<211> 173
<212> DNA
<213> Homo sapiens

<400> 407
ccagggtactg gcacaatcat gtctggatgg ggggtggtgg gtctgttagg cagagaaaca 60
ggaaattgtc gtatgcagta tcgagcagcg tggcctcggt cgccaccgta tagttgatct 120
tgaacttctt tggattctca gtcttctctc caaggacctt cttctcaaca cag 173

TOP = 40544

<210> 408
 <211> 165
 <212> DNA
 <213> Homo sapiens

<400> 408
 ccactgtctg cagccatggc agaaagtgtc caaagtccag caccttcaca ttcattctcat 60
 cactcttggg gttccccagg accttgagca cctcggcggt ggtagggttc tggcccaggg 120
 ccctcatcac atccccacac tggctgtaca ggatcttgcc atcac 165

<210> 409
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 409
 ctgtagcttc tgtgggactt ccactgctca ggcgtcaggc tcagatagct gctggccgcg 60
 tacttggtgt tgctttgttt ggagggtgtg gtgtctcca ctccgcctt gacggggctg 120
 ctatctgcct tccaggccac tgtcacggct cccgggtaga agtcacctat gagacacacc 180
 agtgtggcct tgttggcttg aagctcctca gaggaggcg ggaacagagt gaccgagggg 240
 gcagccttgg gctgaccaag gacggtcagc ttggtccctc cgccaaatac cgccggataa 300
 gcaccactgt tgtctgtgta ttgacagaa 329

<210> 410
 <211> 235
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 8
 <223> n = A,T,C or G

<400> 410
 ccatcagnga gaaaggtgtt tgtcagttgt ttcacaaacc agattgagga ggacaaactg 60
 ctctgccaat ttctggattt ctttatcttc agcaaactt ttctttaaag cttgactgtg 120
 tgggcactca tccaagtgat gaataatcat caagggtttg ttgcttgtct tggatttata 180
 tagagctttt tcatatgtct gagtccagat gaggttgtca ccccaacctc tggag 235

<210> 411
 <211> 294
 <212> DNA
 <213> Homo sapiens

<400> 411
 aattaaggga agatgaagat gataaaacag ttttggatct tgctgtgggt ttgtttgaaa 60
 cagcaacgct tcggtcaggg tatcttttac cagacactaa agcatatgga gatagaatag 120
 aaagaatgct tcgcctcagt ttgaacattg accctgatgc aaagggtggaa gaagagcctg 180
 aagaagaacc tgaagagaca gcagaagaca caacagaaga cacagagcaa gacgaagatg 240
 aagaaatgga tgtgggaaca gatgaagaag aagaaacagc aaaggaatct acag 294

<210> 412
 <211> 433
 <212> DNA

100176410504

<213> Homo sapiens

<220>

<221> misc_feature

<222> 135, 138, 153, 162, 187, 206, 208, 212, 214, 219, 224, 237,
254, 271, 295, 303, 330, 336, 348, 358, 364, 367, 375, 394,
433

<223> n = A,T,C or G

<400> 412

```
cctgagaagc cagaggcagg tggagagggg gtggaaagtg agcagcgggc tgggctggag 60
ccgcacacgc tctcctccca tgttaaatac cacctttaga aaaattcaca agtccccatc 120
cacaaaaaaa aaaanaanaa aaatttcagg gantaaaaat anactttgaa caaaaaggaa 180
catttgntgg cctggggggg catctnantt tntntagcnc cagngattcc ctccccnccc 240
cacccatcac atanatgtaa cacctttggg ntaaaatggg gagccgtttc caccntgccc 300
ccntccccgc ccccgagcag ttgccccggn gacacntcaa gacaggancg aggtagtntt 360
tcancancac agttncacaa ggaacagaa acgtntctccc gccagccct gcgcacaaag 420
ggattgacac gcn 433
```

<210> 413

<211> 494

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 17

<223> n = A,T,C or G

<400> 413

```
ccttatttct cttgtcnctt cgtacagggg ggaatttgaa gtagatagaa accgacctgg 60
attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
atagcggctg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180
atatggactc tagaatagga ttgcgctgtt atccctaggg taacttggtc cggttggtcaa 240
gttattggat caattgagta tagtagttcg ctttgactgg tgaagtctta gcatgtactg 300
ctcggagggt gggttctgct ccgagggtcg cccaaccgaa atttttaatg caggtttggt 360
agtttaggac ctgtgggttt gttaggtact gtttgcatta ataaattaaa gctccatagg 420
gtcttctcgt cttgctgtgt tatgcccggc tcttcacggg cagggtcaatt tcaactggta 480
aaagtaagag acag 494
```

<210> 414

<211> 294

<212> DNA

<213> Homo sapiens

<400> 414

```
ctgggcggat agcaccgggc atattttgga atggatgagg tctggcacco tgagcagtc 60
agcgaggact tgggtcttagt tgagcaattt ggctaggagg atagtatgca gcacggttct 120
gagtcctgtg gatagctgcc atgaagtaac ctgaaggagg tgctggctgg taggggttga 180
ttacagggtt gggaacagct cgtacacctg ccatttctct catatactgg ttagtgagg 240
gagcctggcg ctcttctttg cgctgagcta aagctacata caatggcctt gtgg 294
```

<210> 415

<211> 421

100754-106901

```
<400> 418
gtgggagggga gccaggttgg gatggagggga gtttacagga agcagacagg gccaacgtcg 60
aagccgaatt cctggtctgg ggcaccaacg tccaaggggg ccacatcgat gatgggcagg 120
cgggaggtct tggtggtttt gtattcaatc actgtcttgc cccagggtcc ggtgtgactc 180
```

gtgcagccat cgacagtgc gctgtaggtg aagcggctgt tgccctcggc gcggatctcg 240
 atctcgttgg agccctggag gagcagggcc ttcttgaggt tgccagtctg ctgggtccatg 300
 taggccacgc tgtttttgca gtggtaggtg atgttctggg agg 343

<210> 419
 <211> 255
 <212> DNA
 <213> Homo sapiens

<400> 419
 cctagcaaga gaatcaccaa atttatggag agttaacagg ggtttaacag gaaggaagtg 60
 ccttttagtaa gttctcaagc cagaggctgg aggcagcagc taaatcagag gacagcatcc 120
 tcagtgaag tgagccattc ggggtggcat gtcactccag gaataaacac aacttagaaa 180
 caaatgattt cgtaggatag cacagtgcac tgggtgcactg tgaacctgag gccactgtgt 240
 caaactgtgc actgg 255

<210> 420
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 420
 cttctgatga taaccaaccc ctagctacca ctctgtattc atcaggggag ggggtataaac 60
 cccacatgca agaagaaccc ttgccccag tgtcaaatgg gatggggatg ctagagttat 120
 agtaaagggg aaaccctatg taagctgtta acagagttca caggggtagg gataaccctt 180
 gttctccagc tcccaaatgt gctcactttc ccagcttctt catccgttca tcaatgctgg 240
 caaagttccc ctcaactgtg g 261

<210> 421
 <211> 179
 <212> DNA
 <213> Homo sapiens

<400> 421
 ccttcctggt gttgtttcaa atgctgcttg atttctcgta acagatctgc atctatgtaa 60
 tacctttctt cagatctgac tgctccaaaa tgattctgca tcctgatttg agacatcaat 120
 tcatttagtc ggcccttgaa ctgagtaggt gcatttagtt caccctgaat cgtatccag 179

<210> 422
 <211> 424
 <212> DNA
 <213> Homo sapiens

<400> 422
 cgaggtccaa atctgatctg cagatgcaga agattcgaca gaagctgcag actaaacagg 60
 ctgccatgga gaggtctgga aaagctaagc aactgcgagc acttaggaaa tacgggaaga 120
 agtgcaaac ggaggttctt cagaagaggc agcaggagaa agcccatatg atgaatgcta 180
 ttaagaaata tcagaaaggc ttctctgata aactggattt ccttgaggga gatcagaaac 240
 ctctggcaca gcacaagaag gcaggagcca aaggccagca gatgaggaag gggcccagtg 300
 ctaaacgacg gtataaaaac cagaagtttg gttttggtgg aaagaagaaa ggctcaaagt 360
 ggaacactcg ggagagctat gatgatgtat ctagcttccg ggccaagaca gctcatggca 420
 gagg 424

<210> 423

<400> 426
gggtgttcat catgaggatt gcttctgcc tggagctgat ggacgtgggc aggttgctga 60

```

gaaggtggg tggaagtgag tgccgggggt ggggtgagtgc cctggtcttg ttcatagggg 120
agcctttccc tagcagtgga acgctgtggt ctttttctct agcatattcc cttgggaagt 180
ctagatttgc tattaatctg gctgagaatc taagtctctg gccttagaga cagtttgcac 240
tttcccatat tgtgcctggg acagccatat gatttttttt cccaccaaac aagtatgcaa 300
acagaaacca gttcaaaggg ggatgggtga aaagatgagg cagtanaaat gcctttgaat 360
ggttttctgt agctaattct ctttaaaatt tgtcctgctt tttttcttta t 411

```

```

<210> 427
<211> 450
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 136
<223> n = A,T,C or G

```

```

<400> 427
acgtgtacaa gtttgaactg gatacctctg aaagaaagat tgaatttgac tctgcctctg 60
gcacctacac tctctactta atcattggag atgccacttt gaagaaccca atcctctgga 120
atgtggctga tgtggncatc aagttccctg aggaagaagc tcctcgact gtcttgtccc 180
agaacctttt cactccaaaa caggaaattc agcacctgtt ccgcgagcct gagaagaggc 240
ccccaccgtt ggtgtccaat acattcactg ccctgatcct ctgcgcgttg cttctgctct 300
tcgctctgtg gatccggatt ggtgccaatg tctccaactt cacttttgtt cctagcacga 360
ttatatattc cctgggacat gctgctatgc tgggactcat gtatgtctac tggactcagc 420
tcaacatgtt ccagaccttg aagtacctgg 450

```

```

<210> 428
<211> 377
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 133, 181, 246, 264, 280, 290, 300, 325, 360, 362, 374
<223> n = A,T,C or G

```

```

<400> 428
cagggtctata gtgcgctatg ttgatctggt gttcatgcta agttccgcat caatatgggtg 60
acttcttggg agtgggggac caccagggtg cctaaggagg ggtgaacctg cctacgttgg 120
aaatagagct ggncaaaaact cctgtgctca tcagtagtag aattgcacct gtgaatagcc 180
nccgccctcc agcatgggca acataacaag accctgcctc ttaaagataa aaattggaaa 240
acactngtag gaaaaaaagg gtgnntggtc taaataaatn tggattgggn ataaatgacn 300
caaaactatc atgaatttga aagcntttct aatttcttga aagtctgaaa aaagttaaan 360
cncaatttta tctnaaa 377

```

```

<210> 429
<211> 206
<212> DNA
<213> Homo sapiens

```

```

<400> 429
gttgctcctc caaagaaggt tggcttcaag gccgtgtcca gggacccacg agcagaggca 60
ctggggggca agggatctcc aaggggggcaa gggatcccta aagggggtag ctacaggtg 120

```

10017541001

```

aggggggttta gggcccctct agggagcgcc tgaggccata cattcaagag tgtccctggg 180
gaggcccagg gaagagccag gactgg                                     206

```

```

<210> 430
<211> 473
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 9, 329, 335, 363, 365, 448
<223> n = A,T,C or G

```

```

<400> 430
ccttatttnt cttgtccttt cgtacaggga ggaatttgaa gtagatagaa accgacctgg 60
attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
atagcggtcg caccatcgga atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180
atatggactc tagaatagga ttgcgctgtt atccctaggg taacttggtc cgttgggtcaa 240
gttattggat caattgagta tagtagttcg ctttgactgg tgaagtctta gcatgtactg 300
ctcggagggtt gggttctgct ccgaggtcnc cccanccgaa atttttaatg caggtttggt 360
agtnaggac ctgtgggttt gttaggtact ggggtgcatta ataaattaaa gctccatagg 420
gtcttctcgt cttgctgtgt tatgccncc tcttcacggg cagggtcaatt tca          473

```

```

<210> 431
<211> 215
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 8, 15
<223> n = A,T,C or G

```

```

<400> 431
cctgtatnaa gctanaaaaa gactaccagc ccgggatcac cttcatcggtg gtgcagaaga 60
ggcaccacac ccggctcttc tgactgaca agaacgagcg ggttgggaaa agtggaaaca 120
ttccagcagg cacgactgtg gacacgaaaa tccccaccc caccgagttc gacttctacc 180
tgtgtagtca cgctggcatc caggggacaa gcagg                                     215

```

```

<210> 432
<211> 391
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 377
<223> n = A,T,C or G

```

```

<400> 432
ccagcactgc cacaaacttt ttcagggcc a ccaggcgctg cccttccagg accgggaacc 60
tgcccacttc tatccgcagg atgtagtgca gtgcagattc caggtcagcc atgtagatcc 120
tgagcgcgac tgccaatttc caaacagtgg gagctatctt gttagcagtg gttgggtgcaa 180
ctgtgggtctg ggcagcctcc ctgggtgagcc cagagagtct ctgcaggtaa gcggtataga 240

```


<400> 435
ctgtccaatg gcaacaggac cctcactcta ttcaatgtca caagaaatga cgcaagagcc 60
tatgtatgtg gaatccanaa ctcaagtgagt gcaaaccgca gtgacccagt caccctggat 120
gtcctctatg ggccggacac ccccatcatt tccccccag actcgtctta cctttcggga 180

```

gcaaacctca acctctcctg ccactcggcc tctaaccat cccncanta ttcttggcgt 240
atcaatggga taccgcagca acacacacaa gttctnttta tcgccaaaat cagccaaat 300
aataacggga cctatgcctg tttagggnn taacttggnt actggccgca anaattccat 360
agtcaagagc atcacagnct ctgcatntgg aacttctcct ggctntcaga cctgn 415

```

```

<210> 436
<211> 152
<212> DNA
<213> Homo sapiens

```

```

<400> 436
ccaggattga caggccatcc attcacagcc aggagatgct gggccagtcc ctccaagagg 60
tctccgtcat ggcagtgatg aaaacctaac aggggtggccc cctgtgccag ctcaggtgac 120
tggagcccga gggcctgaca ggttcccagc ag 152

```

```

<210> 437
<211> 174
<212> DNA
<213> Homo sapiens

```

```

<400> 437
ccaggctactg gcacatcatg ctctggatgg ggggtgggtgt gtcctgtaag cagagaaaca 60
ggaaattgtc gtagtcagta tcgagcagct gtggcctcgt tcgccaccgt atagttgatc 120
ttgaacttct ttggattctc agtcttctct ccaaggacct tcttctcaac acag 174

```

```

<210> 438
<211> 485
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 324, 371, 393, 412, 419
<223> n = A,T,C or G

```

```

<400> 438
ccacggccct ctggccctc tcgctgggag cggagcagcg aacagaatcc atcattcacc 60
gggctctcta ctatgacttg atcagcagcc cagacatcca tggtagctat aaggagctcc 120
ttgacacggg caccgcccc cagaagaacc tcaagagtgc ctcccgatc gtctttgaga 180
agaagctgcg cataaaatcc agctttgtgg cacctctgga aaagtcatat gggaccaggc 240
ccagagtccg gacgggcaac cctcgcttgg acctgcaaga gatcaacaac tgggtgcagg 300
cgcagatgaa agggaagctc gccnggtcca caaaggaaat tcccgatgag atcagcattc 360
tccttctcgg ngtggcgcac ttcaaggggc agngggtaac aaagtttgac tncagaaang 420
acttccctcg aggatttcta cttggatgaa gagaggaccg tgaggggtccc catgatgtcg 480
gacc 485

```

```

<210> 439
<211> 317
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 146, 268

```

100170901

<220>
 <221> misc_feature
 <222> 331, 369
 <223> n = A,T,C or G

<400> 442
 cgccagggtga tacctccgcc ggtgaccag gggctctgcg acacaaggag tctgcatgtc 60
 taagtgctag acatgctcag ctttgtggat acgcggactt tgttgctgct tgcagtaacc 120
 ttatgcctag caacatgcc aatctttacaa gaggaaccg taagaaaggg cccagccgga 180
 gatagaggac cagctggaga aaggggtcca ccaggccccc caggcagaga tggatgaagat 240
 ggtccacacag gccctcctgg tccacctggg cctcctggcc cccctggtct cgatgggaac 300
 tttgctgctc agtatgatgg aaaaggagg nggacttggc cctggaccaaa tgggcttaac 360
 gggacctana ggcccacctg gtgcag 386

<210> 443
 <211> 404
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 241, 306, 311, 328, 339, 362, 372, 385
 <223> n = A,T,C or G

<400> 443
 cctccctctc agagcttgcc ccagggactc tctggccctc agggttcaat gtattctgac 60
 caaggccaag ctttcctggg gctcagggaa aatcacactt tgctaccgga agctgtatcc 120
 cctcagatgc caggaaggcc gtgatcatct gactccaccc tcctgagaca cattctctcc 180
 ctgactgtcc tgttctaagt cagcggagca ccttaggatg gaggggtgga ggcgaggcca 240
 ngatgcagcc tctgtgaaca ggtgcctgga ggctgggaaa tgaccctgag agggcaggac 300
 acagcnaccg ngggcttaag gtgagggngg agagcaagnt tggccactt tacaattcta 360
 gntcagagcc ancccctaac atggngggca tttattcatt tcgg 404

<210> 444
 <211> 318
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 58, 69, 87, 195, 250, 275, 286, 302, 305, 317
 <223> n = A,T,C or G

<400> 444
 catgggctat agtgcgctat gttgatctgg tgttcattgct aagttccgca tcaatatngc 60
 gacttcttng gagtggggga ccaccangtt gcctaaggag gggatgaacct gcctacgttg 120
 gaaatagagc tgggtcaaaac tcctgtgctc atcagtagta gaattgcacc tgtgaatagc 180
 caccgccctc cagcntgggc aacatagcaa gaccctgcct cttaagataa aaattggaaa 240
 aactggtan gaaaaaaaagg ctgtttgggc taaanaagtc tggatngggg ataatgaca 300
 cnaancatc atgactnt 318

<210> 445
 <211> 418

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 288, 354, 375, 387, 389, 400
<223> n = A,T,C or G

<400> 445
ccagtccaac ctgctcctca ttattgtata aatgagcaga atcaatatgg cggaagccag 60
cttcaattgc caatttggtg gcctctaaag ctttactttt aggaacctct gcaggcgcat 120
aggtgccaaa tcccaggaca ggcattgaagt gaccatcatt cagcttcaca cactgatatt 180
tcgaatccat ttctgtcact agcctgggtg gcaaatgttt ctttcttctt ccctcacagg 240
ctataagagc aatgagctgg caacgcccct gagcacactg tctgctgntt aaccaatggc 300
atgtgagagg agggacagag gcagctcttac acaagctgtg ataaaaattg catncagttc 360
aaccagtttc ttacnttatt ctaatgngna ggaagtgtgn gaagagcaca aagtcaga 418

<210> 446
<211> 361
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 10, 78, 89, 148, 193, 201, 253, 259, 265, 288, 290, 292,
298, 318, 342, 343, 346, 354
<223> n = A,T,C or G

<400> 446
ctgtccaatn acaacaggac cctcactcta ctgagtgtca caaggaatga tgtaggaccc 60
tatgagtgtg gaatccanaa cgaattaant gttgaccaca gcgaccagt catcctgaat 120
gtcctctatg gcccagacga cccacacntt tccccctcat acacctatta ccgtccaggg 180
gtgaacctca gcntctcctg ncatgcagcc tctaaccacac ctgcacagta tccttggctg 240
attgatggga acntccagna acacnacaca agagctcttt atctccanctn tncactganaa 300
gaacagcgcg actctatncc ttccaggggg ggggggtggg gnntgngggac cttnccgggc 360
c 361

<210> 447
<211> 321
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 7, 9, 105, 121, 192, 202, 213, 299, 301, 305
<223> n = A,T,C or G

<400> 447
ccagganant ggttccccaaggaggacctc acccgccccg agctctggag ccgctgacgc 60
tcgcatccag gacatttgag atgggaatcc aaataggcta cttgnaaaag acgtgctgca 120
ngcagccctg gagagactca tggagttcat tgtacattac tccatctacc gaggcagcgc 180
atggcatgac tnaacggctt gnaacaaaca canaaattac caccacaaac attcaggaac 240
caaatataat ctgctatggt cacaccacag acaatgcagg aagaggcttt ttattgctng 300
ngtgngtttt caaatcatgt t 321

<210> 448
 <211> 325
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 107, 222, 251, 296, 301, 325
 <223> n = A,T,C or G

<400> 448
 ccagcttcaa ctttttagta tagaagatac aggatcacaa aaaggagact acgctttgca 60
 aacatagcat caaaattcaa cttttctctt tgcagtttat ccatggngtc agcatacctt 120
 gcaagggaag ctacttacat caaataactt ttctatatac atttcctcat tgaccttttc 180
 tcaaagaata tcttggtttt gccgaacaaa cataatatag gngtctgcca gatccattcc 240
 tggtttctgt ngtgaaggaa aagcaggggg aacaaaataa tatcaggggc tcaatngtga 300
 nattattatt taatcatacc ctgan 325

<210> 449
 <211> 123
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 8, 69, 70
 <223> n = A,T,C or G

<400> 449
 cattaatntt ggaagcgatg gtgtggatta catcagtgtt agggcatggt gtggatatta 60
 ttacattann attggaagcg atggtgtgga ttacatcagt gatagggcac ggtgtggata 120
 tta 123

<210> 450
 <211> 328
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 241, 257, 323, 325, 328
 <223> n = A,T,C or G

<400> 450
 ctggcaattt tgagctgccg gttatacacc aaaatgttct gttcagtacc tagctctgct 60
 cttttatatt gctttaaatt tttaaagaaa ttatattgca tggatgtggg tatttgtgca 120
 tattttttta caatgcccaa tctgtatgaa taatgtaaac ttcgattttt ttttaaaaaa 180
 attagatttt agctggagct tttgactaat gtaaagtaaa tgccaaacta ccgacttgat 240
 ngggatgttt ttgtaangtt aattttctaa gactttttca catccaaagt gatgctttgc 300
 tttgggtttt aactgtttca acntnggn 328

<210> 451
 <211> 209

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$\langle 210 \rangle$	455
$\langle 211 \rangle$	608

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 43, 225, 502, 508, 569
<223> n = A,T,C or G

<400> 455
ctgagcaagc taaggaccag gggcaactag accctaataa tngtacttt tgaaaatgat 60
acaaactacc ttggttgtaa gaagtgcagg ttgaacactt taggagaaca gtcttcaaac 120
tggaattca aaatttccca ttatatgtga ataaaattgg aaggatgtta aatgtccatg 180
gaaagtact cttgtaagtt aggatgcctt atactgaggc ttanaatga aagtacactt 240
cacaaatgga atagtgaaca taaattacca gaagtcaaga taatagtcac actagtaagg 300
taagcaaggt aaattccctt atacacaaaa attattttga tgacctttt caataatgaa 360
tctgaaatga agtgttttaa aaagctccct aaacacaaaa cgaacataaa actgcttaat 420
aactttagag ctcatgtaac attcttgctg aaaacagtta ctgaaattac cagcgaaatg 480
atggaatatc tttaaagcag gncactcngt ataactctga ataatttcac ttgctaactt 540
ttaagaagta ttctctggac tataaatcnt gggcaaatag acttccactt tattattacc 600
ccaaatta 608

<210> 456
<211> 467
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 358
<223> n = A,T,C or G

<400> 456
cctggacctg tgtaaacctt caaacactct tttttacatt aggtcgtgaa gttaaatttt 60
ttactgtttc tgtgctacag actcttcaaa gggaaatagt taagtcaatt tcaaagaaaa 120
tgaccagcac atttttaaaa cattagaaat gatttgactt tgactatcta ctgccaaaaa 180
aaggtttaagg aatttgtaat gagaagctaa aaactttaag gaattttaag gaactcaaaa 240
caaaaactca ttaaagttaa ttaaagttaa ttctacaaat aaagcctctt aatacatctt 300
tataatagtc acttaagact taaattcaaa cactagcaaa ccacaaaatc agactgtntg 360
actgacatcc aaaagataaa tataaatcaa aatccgaccc cagcattagc caaggggtag 420
gtgttcctct tgaggaaggc aggaattcct cttctgccac ctgttgg 467

<210> 457
<211> 183
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 10
<223> n = A,T,C or G

<400> 457
ccaaattttn tactttaaac actgaaaaca gaggaagtta ataaaaattt taacctataa 60
agtcccctgg ttgttagtca ttaacagcag attgtcagat aagactggta aatgatggc 120

100175410001

tgctaagcat ttgatgatcc aggcgcagga tgatcaaact gcagcagatc atgcacgtga 180
cag 183

<210> 458
<211> 445
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 324, 372, 388, 396, 431
<223> n = A,T,C or G

<400> 458
gaaaaatata aagccaaaaa ttggataaaa tagcactgaa aaaatgagga aattattggt 60
aaccaattta ttttaaaagc ccatcaattt aatttctggt ggtgcagaag ttagaaggta 120
aagcttgaga agatgagggt gtttacgtag accagaacca atttagaaga atacttgaag 180
ctagaagggg aagttgggta aaaatcacat caaaaagcta ctaaaaggac tgggtgaatt 240
taaaaaaaac taaggcagaa ggTTTTTgga agagttagaa gaatttggaa ggccttaaatt 300
atagtagctt agtttgaaaa atgngaagga ctttcgtaac ggaagtaatt caagatcaag 360
agtaattacc ancttaattgt ttttggcntt ggactntgag ttaagattat tttttaaatc 420
ctgaggacta ncattaatgg gacag 445

<210> 459
<211> 426
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 10, 345, 363, 400, 401
<223> n = A,T,C or G

<400> 459
cctatgatan cttctctagc tatcatactc caatcagcaa aaaatgagaa aatgttgaga 60
aatagaagat aattcctcat ttaaggccac cttctagaat ttgtgcttaa gattctgctt 120
tcttctcatg ggccagcact tcggcaactg gcaaaaatta ggtgtacagg gatctaggta 180
atactgttta tttagagcaat aatatattgt gctaacgttc aggcataccta ttactgagaa 240
ataagggaaa atgagtgtaa agtacaacta agagtctcgg cgacagggaa aaataccatc 300
agttaaatat ccatagtoct agagcattta tgtaaaaactg caatntgaat cctgcaatac 360
atnttggtt tttccctcag tgataccatg tgagggaagn ngctctgtca aggcggggccg 420
gataga 426

<210> 460
<211> 348
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 147, 184, 203, 288, 294, 308, 312, 313, 316, 333, 345, 347
<223> n = A,T,C or G

<400> 460

1001540001

```

ccaaatttta aaatgttatt tttcatatca tttataacct tgtcacaatc cacttaaaga 60
agtttggtta tatttcaactg aaaattttct tccagagtag gttttttttc gtgggttggg 120
gggtaacttt actacaatta gtaagtntgg tgcagaattt catgcaaag aggagtgcag 180
cagngtgata atttaaacad atntaaacaa aaacaaaaaa aatgaatgca caaacttgct 240
gctgcttaga tcactgcagc ttctaggacc cggtttcttt tactgatnta aaancaaaac 300
aaaaaanta annacnttgt gcctgaaatg aancttgttt ttttntna 348

```

```

<210> 461
<211> 378
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 370
<223> n = A,T,C or G

```

```

<400> 461
ccactaagac agaacggaat ctagtagaag tgcaccaatg cttcagtccc tcctactcag 60
catggtgagc agtgggtcaat ctgtgccctg tgggaatgatg ggcagataat tctggcatgt 120
gtaaataata ataaataatt cacttggtgc aggcagtatg tctatgaatt aaaacctagt 180
gtgtacacag tgctacatg tgttacagcc ccacagtagg aatctacacc aaaatattta 240
ttagaaggaa tttggtccgt actacatcac gctttccgga gggtaaaaaa taaagtccat 300
ctatagacat ttcaccacag acccagagac tgagtctggc taaaacctgc aaaatgtcta 360
taacaaaagn ggatggct 378

```

```

<210> 462
<211> 197
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 59, 72, 81, 99, 105, 112, 120, 137, 140, 155, 158, 163, 182,
190
<223> n = A,T,C or G

```

```

<400> 462
gcgaggtcca cactattaaa agctgttggg taattgaagg tgatataaaa tgactgtcnt 60
catttgagat gngcagcaca nttacttcat gttgtcang tttanaacaa tntcccctgn 120
aagttctcac acagatnggn agaaatcata cctantntg gttaatcact atggcagccg 180
tngaagaatn taagaga 197

```

```

<210> 463
<211> 279
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 13, 18, 26, 28, 43, 164, 175, 200, 201, 203, 219, 222, 230,
246, 262, 263, 267
<223> n = A,T,C or G

```

```

<400> 463
cataagtgat gangaggnaa aatcantnaa taagcctaca acntagaata cattaaaact 60
tgcacatata catgttcaca gcatgtatac aatgataatc cctacgggtt aaccaagtta 120
tggttccctt ctacagcaga cacaaaacca aggtgaacta ggtnggcaga tgtanaggga 180
ataccaaaaa aagggtaatn ngntcactga ttctgaagna tntgactgan catactgagc 240
ttctgnactt tgggaatgca tnnaggnaac aatatcttg 279

```

```

<210> 464
<211> 552
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 266, 287, 395, 444, 460, 481, 487, 493, 512, 520, 532, 549
<223> n = A,T,C or G

```

```

<400> 464
gatgggttga taggtgcagc aaaccaccct ggcgcatgtt taccaatgta acaaacctgc 60
acatcctgca cagggtactcc aaaactaaaa gtaaaaaaat ctaaaagaaa aaagaaaaag 120
aattaaaccc aaaatcactt ccccatctgg acttgattta gatgaaaagc ttctggactt 180
tgagctgatg ctatagtggg ttgaaaattt tggggtcctc agaaggggat gaggatatat 240
tgcagtgaag agcaacatga atcatngaga gccagagtat agagagnngt gggtagactg 300
taggagagcc ctcaatgatc cgggctgtct tgtattcgcg ttgcacttac ttgtataata 360
tggcagatgg gatgtgatgt cactttcaag attangttat aaatagacta tggcttcaat 420
cagaggggtt tcttctctgt ctanctctct tttgggtagn ttcattctga gagaaagcca 480
nacctcngcc gcnaccacag ctaaggggag anttccagcn cactggcggc cngttactag 540
tggatccgng ct 552

```

```

<210> 465
<211> 444
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 124, 326, 360, 369, 388, 394, 399, 413, 415, 438, 443
<223> n = A,T,C or G

```

```

<400> 465
ccactcttgg tagaaacctt gaaactttca ccttgctggg ctttagcaaa gtttcctttt 60
acagttctgt ttatgagctt cagctactga taaagcactt cctgaacttc tctattatca 120
tagngaccct ctgaataacc tgagtgactg gctcggcaat tcgctttata accattctta 180
ttcccaaagt tggagcacat aaacatttag atgtcttttc ctgtaaaata ttctagacat 240
ttaccctaac tctagtcca catatactca acttgactg tatatctccc tgcttttttg 300
agacagagaa gaaattcagg aggtgnccca tctccagagt ttctctgttg gaaagcagcn 360
atcaagaanc ctttaaaaaa ttggtgtnaa gctntgccnc ctgcagaaat gcntngcccc 420
acattattct tctggggnaa agna 444

```

```

<210> 466
<211> 381
<212> DNA
<213> Homo sapiens

```

1001541001

<220>
 <221> misc_feature
 <222> 265, 325, 326, 338
 <223> n = A,T,C or G

<400> 466
 cctactatgg gtgttaattt tttactctct ctacaagggt ttttcctagt gtccaaagag 60
 ctgttcctct ttggactaac agttaaat acaagggat ttagagggt ctgtgggcaa 120
 atttaaagtt gaactaagat tctatcttgg acaaccagct atcaccaggc tcggtagggt 180
 tgtcgctct acctataaat cttcccaacta ttttgctaca tagacgggtg tgctctttta 240
 gctgttctta ggtagctcgt ctggnttcgg gggctcttagc tttggctctc cttgcaaagt 300
 tatttctagt taattcatta tgcannaggt ataggggnta gtccttgcta tattatgctt 360
 gggtataatt tttcatcttt c 381

<210> 467
 <211> 95
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 7, 11, 15, 46, 69, 74, 77
 <223> n = A,T,C or G

<400> 467
 cctatanatt ntggnttgta tactgggtcc tgaaaaccct cttggngctc tgtttttaag 60
 gagctgaanc caanganccg caataataat acttt 95

<210> 468
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 468
 cagtgggtct ctgatgcctt gcctgcagca gaaggaggga gcagagatca agaggaagga 60
 aaaaatcata tgtacttatt tgaaggtaaa gattattcta aagagcccag taaggaagac 120
 agaaaatcat ttgaacaact ggtaaaccct cagaaaaccc ttttgagaa agctagtcaa 180
 gagggccgat cactccgaaa taaaggcagt gttctcatcc cagg 224

<210> 469
 <211> 416
 <212> DNA
 <213> Homo sapiens

<400> 469
 ctgagttcta gttcaaaagc tttatcctta acttcgtcat gtactatgta aattctagaa 60
 tagaaaaggg aaaggttaaga ttttggtaac ctccaaacat tgaagtagtt cacagacca 120
 aagtcagtac aaattagaat gtccatccat aataaaagta tctataaaat tacacagaca 180
 cattctacat agtatttaac attagagaag acaaattaca cagggactga aataaaatga 240
 aacatctact ctcccgacaa atgttggaata tacctaatac acccaagttc agtttatttt 300
 tgcacattgc tttagagata taacttgggt gggcacagt gctcacacct gtaatcccaa 360
 cactttggga gaccaaggcg gatggatcac ttgagggtcag ttcgagacta gcctgg 416

<210> 470

<211> 376
 <212> DNA
 <213> Homo sapiens

<400> 470
 caccttttaa ctgtatcaca aagtctgttg ctgtggttac agcctttggt tccagtgatg 60
 ttttgtccat gctttccccc aacccttaac aatggttact caaaagaatg aaataatgag 120
 tcattcattc gggaatatgt taaaatatcc ctctttatca ttacatttca ctgcttagaa 180
 actaggctgt aattcaaggc aacagttaag tctgagaact gttaaaaaaa tctttgattt 240
 tttttcattt ttaagaaaaa cctgcctatt taattgttca gacttgtaag aggttcttca 300
 attacatcct ttttggttaa tgtattattt ctggaacaag tagataaaat tctacgcagt 360
 aagcataata aaaatc 376

<210> 471
 <211> 357
 <212> DNA
 <213> Homo sapiens

<400> 471
 ggcttcgtat aatggttcct ttgtcacccc tgatcgacga tttcgctacc cgtacaactc 60
 tgacaaggga acgaaatgct tctgtgtatt cacctagtgg tcctgtgaac agaagaacaa 120
 caactccacc ggatagtggg gtactgtttg aagggttagg catttcaaca agacctagag 180
 atgttgaaat tcctcagttt atgagacaga ttgcagtaag gaggccaact acggcagatg 240
 aaagatcttt gcggaaaatt caagaacaag atattattaa ttttagacga actctttacc 300
 gtgctggtgc tcgagttaga aatattgaag atgggtggccg ctacagggat atttcag 357

<210> 472
 <211> 557
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 2, 29, 213, 428, 515
 <223> n = A,T,C or G

<400> 472
 cngagatgac atttacaatc tcttgaaang cagcagatgg cactctggtg cttcctatga 60
 agcaacatgc ttgaaatcaa gggccaacaa ttgttgtagg aaagcaaaat atacctctaa 120
 cacctacgtt taccaaaaaa gctgacatct caaactctga gttgttgaga ctcaaatttc 180
 tcatcccaa agaagcctat tacggtagtg tgntggatgc tttttgtatc tctgataggc 240
 aggactata atgggggggaa atacttctga ataaaaacat tggctgtctt gcaactgtgc 300
 atataatgtc tattcaaggg ggcagtgtgc ctagcatgat cctgaaatgt tgagataaaa 360
 ggaagtgtgc attaaagcac tatttgtcctt atatgaaaag agtgactcta tcttccagta 420
 aacaagantt cctgcaatga aaaagaaatt ttttccttca ttatctataa actatacaaa 480
 ataaccttcc tttttaacct aagactcaaa cattnatatt tgattttatt ctatttgata 540
 ccaattggta tgtccag 557

<210> 473
 <211> 264
 <212> DNA
 <213> Homo sapiens

<400> 473

1001541001

```

cctccatcaa cagaaaggat aaagacccct tcgggtctcc tcattaattc tgaactggaa 60
aagccccaga aagtccggaa agacaaggaa ggaacacctc cacttacaaa agaagataag 120
acagttgtca gacaaagccc tcgaaggatt aagccagtta ggattattcc ttcttcaaaa 180
aggacagatg caaccattgc taagcaactc ttacagaggg caaaaaaggg ggctcaaaa 240
aaaattgaaa aagaagcagc tcag                                     264

```

```

<210> 474
<211> 165
<212> DNA
<213> Homo sapiens

```

```

<400> 474
aattcagctt ccagaggccc ttattagtcc ttgttgacag aaacatagat ttggcaactc 60
ctttacatca tacttggaca tatcaagcat tggtgacaga tgtactggat ttccatttaa 120
acaggggttaa tttggaagaa tcttcaggag tggaaaactc tccag                                     165

```

```

<210> 475
<211> 417
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 370, 372
<223> n = A,T,C or G

```

```

<400> 475
aagttctctt cttgttttaa acacattcct gataacttct aaagatgacc aaaataaaac 60
agaatatcta cagagatcat tttctgaatt tttgtacat ccaaggataa caacataaaa 120
aaaataaaac tggacagcat tccacatcca agtgacaga accatttttg caagattaaa 180
taatgtaaac attgggaaca gccaaatcag cgaagaatgc caacacctca aaacacctgg 240
tgttgccgct tcattaagtg gttcaaaatc cagatctata attgcgcaat attcaccgta 300
tataaaaaga aatggatatt aattttgaca aatagctgca actgagactt ctttttattt 360
ctttatatgn gnatatagtg aatttttatt atttttaaaa ttttatttat tttttta 417

```

```

<210> 476
<211> 321
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 36, 87, 102, 158, 170, 193, 196, 263, 291
<223> n = A,T,C or G

```

```

<400> 476
catttaataa caaaaacaac ctgtacggaa aaccnaagg caaccacata gcatatgtaa 60
aatgtgcaaa tacactttta aatgcangtt attctatagc anttgcaaga tagaatttca 120
ctgtaattag ggaatctagc tcacctaac ttaatagnct tttgcatgn tagacaatgc 180
aattctacaa ggnacnactc agcgttgatg cttaaagtatg aaacacatcc tcagattatt 240
catccgaaaa tattaataa gcntcatggt ttattattct ttaatgagtc ntgagctcat 300
ttctaaagct tcataaagca t                                     321

```

```

<210> 477

```

```
<220>  
<221> misc_feature  
<222> 546  
<223> n = A,T,C or G
```

```
<210> 478
<211> 100
<212> DNA
<213> Homo sapiens
```

```
<210> 479
<211> 508
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 2, 3, 423, 505  
<223> n = A,T,C or G
```

<210>	480
<211>	81
<212>	DNA

<213> Homo sapiens

<400> 480
 ggtgcccttt tcctaact cacaacaaaa ctaactaata ctaacatctc agacgctcag 60
 gaaatagata aggaaaatga c 81

<210> 481
 <211> 306
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 30
 <223> n = A,T,C or G

<400> 481
 tcgccttcgg ccgccgggca ggtaggggn acaagacgct acttccccta tcatagaaga 60
 gcttatcacc ttcatgatc acgcctcat agtcattttc cttatctgct tcctagtcct 120
 gtatgccctt ttcctaacac tcacaacaaa actaactaat actaacatct cagacgctca 180
 gggaatagaa accgtctgaa ctatcctgcc cgccatcatc ctagtctca tcgcctccc 240
 atccctacgc atcctttaca taacagacga ggtcaacgat ccctccctta ccatcaaata 300
 aattgg 306

<210> 482
 <211> 582
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 92, 155, 262, 369, 393, 413, 430, 451, 452, 460, 463, 467,
 471, 474, 486, 516, 554, 558, 562, 565, 569
 <223> n = A,T,C or G

<400> 482
 ggggggaaca gtcattatac attattttaga ctcatcctt cttccagtgc ccttatgatt 60
 atttcctacc ttaccattg atcttaaact gngcaggcta aaaagaggaa ccagaactcc 120
 ctttaagcact tttaagacta tttaaaaaat aaagntttgt tggcattgaa gagtaagctg 180
 ctttaaggac tgaatgaaaa gatagtaccc tttgtggctg tatgaagaga gaaactgaat 240
 ttctatccaa gagaccttaa tntagcctat tagggaatta tcttcccaa aagtacaagt 300
 aattttgcac tgcaggagaa ggataagtag atttgattta catcacattt tatacacacc 360
 tttcaagang gagaaatctg cttcataaat agnaggaatc tatgcttaaa ctnaacattt 420
 aatggtgacn tcttacaaca gccttgaaaa nnattggaan tcngacntga ngnggaaac 480
 tggaanaaag aatatcttct tcttctgcat cctttnatcc tcaaacttag catggattca 540
 cacgctgagg aaangttngg tnacnaccng aacatttaga ta 582

<210> 483
 <211> 275
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

1001754-103901

<222> 251
 <223> n = A,T,C or G

<400> 483
 gcctcactaa aataacagat ttcagtatag ccaagttcat cagaaagacc caaatggaat 60
 gatttaca aa atagaacact ttaaaccagg tcagtcctat cttttttag ctgaaggcta 120
 tcagtcataa cacaatttcg cgtacacctc tgctcattat ggaattacac ttaaaacgaa 180
 tctcaagagg gtgaccattg ttgtttcaga taccatccct aaggagagtg gttaacagga 240
 agattgccag ngttactgat ggaaagaagc gcttg 275

<210> 484
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 484
 catattttcca caggccaatt tctttctggt tttctgctaa gctattttcag catttttagct 60
 tttctctttt gctttgttta ctcatgattg ccagatggct acgttacctc taagcatcag 120
 atcctcaciaa attaatggtt aaatgtaagg gagggatttt actctcttgc attaaaaaaa 180
 agcttttattg agatataatt tactgtaaca ttgactcatt taaagtatgc tagtcaatag 240
 accaaatctt gaataaaactc ccattcaciaa ttgctacaaa gggaataaaa tagctgggaa 300
 tatagctaac aagggaagtg aagggcctct tcaaggagaa ctacaaacca ctgctcaaga 360
 aataagagag gatacaaa aatggaaaaa cattccatgc tcatgaatag gaagaatcaa 420
 tatcgtgaaa atgg 434

<210> 485
 <211> 291
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1
 <223> n = A,T,C or G

<400> 485
 ncaccactgc agccctacat acagttgaaa aaaaattcca ttctgttaac atttgtttta 60
 taagttttca cgcaatacac aaaaaacccc tctgcacttc ttgtaaagaa caaaaaagat 120
 acacaacagt taagcgtaaa gatcacagggc aatagcattc aaacatggat gtgggtagag 180
 aaaggagtac ctggcatgag tacctgctta gtttgactga atccttgatt ttttaatttg 240
 cttttcatgg gccgctcaca acaccaacgc tgtgtgaggt atggtagtca g 291

<210> 486
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 486
 ctgtaaatatt gtagttgctc cagaatgtca agggcagctt acggagatgt cactggagca 60
 gcacgctcag agacagtga ctagcatttg aatacacaag tccaagtcta ctgtgttgct 120
 aggggtgcag aaccggtttc tttgtatgag agaggtcaaaa ggggttggtt cctgggagaa 180
 attagttttg cattaaagta ggagtagtgc atgttttctt ctgttatccc cctgattgtt 240
 ctgtaactag ttgctctcat ttttaatttca ctgg 274

1001754-1001754

<210> 487
 <211> 184
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 86, 132, 137
 <223> n = A,T,C or G

<400> 487
 tggcaccaag attctcagct cacgggtacca gcatctgatt gtcggactac ctgctgcttt 60
 ccctgatatt tatacatgat attcgnaaaa tgtaagaag ctattattca tacagacatc 120
 tagagaagga gngaagnttt taaaaaata aaaaaatact tatttcaagc tttagctgtg 180
 ttct 184

<210> 488
 <211> 393
 <212> DNA
 <213> Homo sapiens

<400> 488
 ctgcattttt attgcatctt gcagatgaac tggaaaatct cattttacaa cagaactggg 60
 acagacgacc accatattca ctgagggtcta aatttgagct ttccactaat gacattttga 120
 tttcccaaca gagatacttc tgggtcttact gcacagtctt ttaagagaaa tacttccatt 180
 atgccacatt gtccttgatc cgtaagtgat gtgttaagggt gcttcaaagg aactctgacc 240
 tctgaagtac ttgagctact ttagtatgtc cagcctattg ctttttgttt tagtgtgtca 300
 ccataaatat caggggcata aaaggctatc tattcttaat tcaaggataa aacagaagaa 360
 gcttgtggta taaaacaata gttcaagatc cag 393

<210> 489
 <211> 607
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 46, 270, 440, 515, 558, 579, 580, 602
 <223> n = A,T,C or G

<400> 489
 gtgcttatgt acttaagggg aactactcta actgggtgaa gagtangatg aagcatccat 60
 gtccctacaa aggatatgaa ctcatccttt tttatggctg catagtattc catgggtgat 120
 atatgccaca ttttcttaat ccagtctatc atcgatggat atttgggttg gttccaagtc 180
 tttgctattg tgaatagtgt cgcaatgaac atacatgtgc atgtgtcttt atagcagcat 240
 gatttataat cctttgggta tatacccagn aatgggtag ctgggtcaaa tgggtatttct 300
 agttctagat ccttggtgaa ttgccacact gtcttccaca atgggtgaac tagtttacag 360
 tcccaccaac agtgtaaaag tggtcctatt tctccacatc atctccagca cctgttggtt 420
 cctgactttt taatgattgn cattccaact ggtgtgagat ggtatatcac cgtgggtttg 480
 atttgcattt ccctgatggc cagtgatgat gaacntttt tcatgtgggt tttggctgca 540
 taaatggcct gcctttnta cttctataaa atttttcann tcttattatt attcctgggg 600
 gnttaag 607

<210> 490

<211> 179
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 76, 102, 131, 169
 <223> n = A,T,C or G

<400> 490
 cttctaggaa tactagtata tcgctcacac ctcatatcct ccctactatg cctagaagga 60
 ataatactat cactgntcat tatagtact cccataaccc tnaacacca ctccctctta 120
 gccaatattg ngcctattgc cactactagtc tttgccgcct gcgaagcanc ggtaggacc 179

<210> 491
 <211> 399
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 41, 156, 371
 <223> n = A,T,C or G

<400> 491
 cctctacctg taatcacatt aatttttcta aagacagggg nggtgttttg aagataaatg 60
 tcattagtct atgataatag catcatagga caattagcca ttttagactt gaccatattt 120
 tctcttttta gcatatagcc atcttgatat ttagngggga gactactcca atggagcaac 180
 agtttcattt tacatgattg gatttagaaa tttacaaatt ttaaaactcat aagaattcta 240
 aataatttga aaatggaaac atttgaccca cagtctagca gcataaatac atttataaaa 300
 tacttcattg ttgatcttag gtcattgatt taaaacagaa tttggtgact atgggcaggt 360
 ggagggggcc ngtgaggaag gtataaaaaga gaaatcttt 399

<210> 492
 <211> 482
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 39
 <223> n = A,T,C or G

<400> 492
 ctccacctta ctaccagaca gccttagcca aaccatttnc ccaaataaag tataggcgat 60
 agaaattgaa acctggcgca atagatatag taccgcaagg gaaagatgaa aaattataac 120
 caagcataat atagcaagga ctaaccccta taccttctgc ataatagaatt aactagaaat 180
 aactttgcaa ggggagccaa agctaagacc cccgaaacca gacgagctac ctaagaacag 240
 ctaaaagagc acaccgtct atgtagcaaa atagtgggaa gatttatagg tagaggcgac 300
 aaacctaccg agcctggtga tagctggttg tccaagatag aatcttagtt caactttaaa 360
 tttgcccaaca gaaccctcta aatccccttg taaatttaac tgttagtcca aagaggaaca 420
 gctctttgga cactaggaaa aaaccttgta gagagagtaa aaaatttaac acccatagta 480
 gg 482

<210> 493
 <211> 207
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 35, 37
 <223> n = A,T,C or G

<400> 493
 cataaatatt atactagcat ttaccatctc acttngngga atgctagtat atcgctcaca 60
 cctcatatcc tccctactat gcctagaagg aataatacta tcaactgttca ttatagctac 120
 tctcataacc ctcaacaccc actccctctt agccaatatt gtgcctattg ccatactagt 180
 ctttgccgcc tgcgaagcag cggtagg 207

<210> 494
 <211> 283
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 38
 <223> n = A,T,C or G

<400> 494
 ccaattgatt tgatggtaag ggagggatcg ttgacctngt ctgttatgta aaggatgcgt 60
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
 atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
 gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaagggtg 240
 ataagctctt ctatgatagg ggaagtagcg tctttagtagac cta 283

<210> 495
 <211> 590
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 584
 <223> n = A,T,C or G

<400> 495
 tatgtatata attttcttag ttactagcat agagaaatta ctgattttaa aaaacatttc 60
 aaattctagc atgttgtagg attctattgc cctttctaaa aagtacatct tgcttatccg 120
 atttctaaca aaactattta atttgaagaa gggagaatga atttggataa aaagcaaaaa 180
 tttaaaggta ctcaaattta ggcaaaccat taaagcaatc ttagtttaca gtttaattggg 240
 tagaatggtc aacactttct tcaggttagt tcatggagtg gatatgcatt gatagaacaa 300
 cttagagatg cttttacagt tgagaaagct cattatattt gttatcttta agaatcagct 360
 tattttattc atatgtttgt tctttaagaa gaccaaagag ccctgcaaatt gaatgttgat 420
 ttgttttttt gtttgtttta tatttttgta gagataagat ctcaactttgt tatgttgccc 480
 aggctgggtct caaactctca acttgaagtg atctgcccac ctacgcctcc caaagtgggtg 540
 ggattacagg catgagccac cgcacctgga cctgcccggg cggncgctcg 590

1001754-100901

<210> 496
 <211> 307
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 20, 22, 25, 34, 118, 119, 155, 167, 169, 178, 188, 201, 212,
 230, 245, 259, 260, 268, 300, 307
 <223> n = A,T,C or G

<400> 496
 ggagattagt atagagaggn anacnttttt tcgngatatt tggtcacatg gataagtggc 60
 gctggccttg catgattgtg aggggtagga gccaggtagt tagtattagg aggggggng 120
 ttagggggtc tgaggagaag gttggggaac agctnaatag gttgttngnt gatttgnta 180
 aaaaacanta ggggatgat nctaataatt antgctgtgg gtggttgtgn tgattcaa 240
 tatngccttt ttcggagann catgtcangt ggtagtaaat ataattgttg ggaccattan 300
 ttcttan 307

<210> 497
 <211> 216
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 34, 35, 37, 124, 150, 176, 179, 183, 185, 188, 200, 203, 213
 <223> n = A,T,C or G

<400> 497
 cattttcctc ttggtttctt cagttaagtc aaanngncac gttcctcttt ccccatatat 60
 tcatatatatt ttgctcggtt gtgtatttct tgagctgttt tcatgttggt tatttcctgt 120
 ctgngaaatg gtgttttttt ttgttgttgn tggttttttt tttttttttt aaactnggna 180
 ccnnaantt gaaaaaatgn ttntttttcc ctnaca 216

<210> 498
 <211> 375
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 36, 37, 155, 227, 239, 242, 253, 279, 283, 286, 325, 330,
 337, 340, 349, 356
 <223> n = A,T,C or G

<400> 498
 gaatttcctg gcaccttttc tcgctagaga agattnngtg tgactgggtt gcctataagc 60
 catatagata caaactttta tctctaatac caagtcttag agggatatat taatagatct 120
 aataaattta ttcttagact tattgtttca tgggntagtg agtctttgct actggagaca 180
 atacagactt gtcagttttt ttaaaaaaaaa aaaatttgcc aagctancac attaaaaana 240
 tntcctaagg ctntcatttt atgaggatga ttataaacnt ttntgngata aatatcacca 300
 taataaactg ttaagtacaa ctgcnggccn cccttanagn gaattcctnc agttanaaat 360

100754-100901

375

```
<210> 499
<211> 215
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 5, 39, 40
<223> n = A,T,C or G
```

<400>	499								
ccacnaaaagc	agaagcttaa	agcatagtag	taaagaggnn	aaaaagaagg	acgaaaataa	60			
atcagatgac	aaggatggta	aagaagttag	cagtagtcat	gaaaaggcca	gaggtaatat	120			
ttcactctga	gaaaagaaat	taagtagaag	gttgtgcgaa	aatcggagag	gaagcttgtc	180			
acaaaaaaa	aaaaaaaaaa	aaaaaaaaaat	gtttt			215			

```
<210> 500
<211> 489
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 38, 239  
<223> n = A,T,C or G
```

<400> 500						
ccactacgat	aagcaggtag	ctgggttttt	tagtgagntt	gctccttaag	ttacaggaac	60
tctccttata	atagacactt	catttttcta	gtccatccct	catgaaaaat	gactgaccac	120
tgctgggcag	caggagggat	gatgaccaac	taattcccaa	accccgagtct	cattgggtacc	180
agccttgggg	aaccacctac	acttgagcca	caattggttt	tgaagtgcac	ttacaaggnt	240
tgtctacttt	cagttcttta	ctttttacat	gctgacacac	acatacactg	cctaaataga	300
tctcttttcag	aaacaatcct	cagataacgc	atagcaaaat	ggagatggag	acatgatttc	360
tcatgcaaca	gcttctctaa	ttatacctta	gaaatgttct	cctttttatc	atcaaattctg	420
ctcaagaagg	gctttttata	gtagaataat	atcagtggat	gaaaacagct	taacatttta	480
ccatgctta						489

```
<210> 501
<211> 286
<212> DNA
<213> Homo sapiens
```

<400> 501						
aaaaacactc	aaacacagcc	ttggaggggag	gagtcagttt	taaaagactc	ttataaaagt	60
aatatactgc	tagctctgaa	gaatcggagg	ctaaaatcat	ctcttcaagt	ccccagggaa	120
tcccaaaгаа	ctccagggga	aggtgggatg	ggccagagag	ctctggaagc	ttccaggtct	180
gttgcaagcc	tcacctggtg	cacagttagc	tcttcagggt	ctgtcaggaa	cccaggagcc	240
tcacctagca	cacagttagc	tcacaaaaag	ggagcactgc	tgctgg		286

<210>	502
<211>	168
<212>	DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 38

<223> n = A,T,C or G

<400> 502

```
cctatgattg tgggggcaat gaatgaagcg aacagagntt cgttcatttt ggttctcaga 60
gtttgttata attttttatt tttatgggct ttggtgaggg aggtaagtgg tagtttgtgt 120
ttaatatatt tagttgggtg atgaggaata gtgtaaggag tatggggg          168
```

<210> 503

<211> 173

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 34, 35, 43

<223> n = A,T,C or G

<400> 503

```
cctttataat aaattaggca aaaggttcag tgcnnnggcta tantggacaa catgaaactc 60
cataaaaaatg actggatagg gggactgctt gagacttttc ttttgggcat tactaacaga 120
attcaaagaa attccaacca cgcttatttt tccaaattct actgaaatga gag          173
```

<210> 504

<211> 310

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 127, 259, 273

<223> n = A,T,C or G

<400> 504

```
tagtattcta tttaaaaaatt aagttttggg gtctgtaaaa tatacaggac aatgactttt 60
ttaaaatgta agttaatacc tcctcctcac ttgtcttaat tgaacttagg tgtttattct 120
taaaggngga ccttgatgaa aatggttgaga tgggaagtgt tattaggcaa aacttgttat 180
agatttctca tataactctt aattgaccct tagaatttta acaaccgcgc ctggcccaat 240
agactgtttt ttagagtant tttaggctct cancaaaatt gaggggaaaa tacagggtgt 300
tcccattaa          310
```

<210> 505

<211> 530

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 527

<223> n = A,T,C or G

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```

<400> 505
cctcagggaa cttacaatta tggcaaaagg ggaaggggaa gcaagcacct tcttcacaag 60
gcatcaggag agagagagaa agagagtagg ggaaactacc ccttttaaac catcatatcc 120
tgtgagaact ccctcagtat tagaagagca tgagggaaac cgctccata atccaatcac 180
ctcccaccag gaccatccct caatacatgg gggttacaat tcaagatgag gttcgggtgg 240
ggatacagat ttaaaccata tcagaatggt taatgatatt gttgtatttt accaactata 300
atcttcttag tgttatagta caataatgta aaaaattgag taaatttggt ttctatatta 360
ttctgttttt ggaaaacatg tatatagtca gggctgtttg tctcaagaaa atatggtaaa 420
ctctgctggt ttggtcactg gtgcctagaa tttggggatg tacattgggt ttgattcaca 480
tgcacatttc cttctagttc acagtaacta tttctaacta tttcccnata 530

```

```

<210> 506
<211> 352
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 50, 175, 336, 337
<223> n = A,T,C or G

```

```

<400> 506
cttgaacgct ttcttaattg gtggctgctt ttaggcggtg ctatgggtgn taaatttttt 60
actctctcta caagggtttt tcctagtgtc caaagagctg ttctcttttg gactaacagt 120
taaatttaca aggggattta gagggttctg tgggcaaatt taaagttgaa ctaanattct 180
atcttggaac accagctatc accaggctcg gtaggtttgt cgctctacc tataaatctt 240
cccactattt tgctacatag acgggtgtgc tcttttagct gttcttaggt agctcgtctg 300
gtttcggggg tcttagcttt ggctctcctt gcaaanntat ttctagttaa tt 352

```

```

<210> 507
<211> 370
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 35, 186
<223> n = A,T,C or G

```

```

<400> 507
cctaactaga tcttatcaga atagggggga agggngtcgg ttcctcctta ttgagtgtta 60
atgaccctgt aagatgtaat ttcttttatt tcattctgtt acctagaaaa tctatcacag 120
ccttgtagta ttgattgtc aatctataaa gagctcagtt tacagcatga ctgttagtaa 180
cagggnattt ttaatgagtg actcttcaac acctcagagt ttcactaaat tccaacccat 240
cagcccagta gtctaacatt aagggtctta ggaaatgaga acttatcacc tttccttatc 300
atgaaaaggt aacctccagg taaccaaaaa tagaacttcc tctgtgttcg ttttttatag 360
aaattactgg 370

```

```

<210> 508
<211> 129
<212> DNA
<213> Homo sapiens

```


<400> 511
ccnattgatt tgatggtaag ggagggatcg ttngggctcg tctgttatgt aaaggatgcg 60

```
<210> 512
<211> 269
<212> DNA
<213> Homo sapiens
```

```
<400> 512
cctacctgta aactacagta ctttatatat ctatgggntt aataaaaaana aaatccacaa 60
atcttaaaaa ggaactttaa atgcagggct atattgaatt ggnaaactgc aacacaaaact 120
ggcgcaacat aggtaaatga ataccaatct cactctatgt gatgcaagca tgctactttc 180
ccactaattt aaattacttt caaccactat gagccagaat gcattgctga accttaact 240
gcactttaaa aagtaacatc ttgggctaa                               269
```

```
<220>
<221> misc_feature
<222> 34, 79, 137, 149, 154, 157, 217, 245, 251
<223> n = A,T,C or G
```

```
<400> 513
ggagggggggt tgttaggggg tcgaggagaga aggttgggga acagctaaat aggttggtgt 60
tgatttggtt aaaaaatant aggggggatga tgctaataat taggctgtgg gtggttggtgt 120
tgattcaaat tatgtgnttt ttggagagnc atgncantgg tagtaatata attggtgaga 180
cgattagttt tagcatttga gtaggtttag gttatgnacc gtactctagg ccatatgtgt 240
tgganattga nactagtagg gctagg                                     266
```

```
<210> 514
<211> 271
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 9, 32, 33, 39, 51, 52, 61, 62, 65, 75, 108, 112, 120, 123,
127, 129, 132, 141, 142, 157, 173, 179, 210, 219, 220, 224,
231, 232, 235, 240, 242, 245, 251, 259, 266
<223> n = A,T,C or G
```

```
<400> 514
acatgcaana aatcgagaat cttaaaaaac annacgaanc tgccttgga ncttactgg 60
nntangatat ttatnttgcg gctgagatac ttgaacaact tcggatcnga antagacaan 120
```

aanggggnant tntatactgc nncagaggtt acacagntca ttgtattaga gangaacana 180
 tgggtctggg gttcacacat tggggggaan atgggcgttn acangagagg nnganaaacn 240
 anganagcct ncctggttng cataanaaaa a 271

<210> 515
 <211> 328
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 23, 25, 32, 64, 112, 125, 149, 157, 202, 216, 245, 256, 267,
 297
 <223> n = A,T,C or G

<400> 515
 ccaatgaggg gcaaagtgag cgncnagaag angttttgac tgaaataaat caaacacaaa 60
 aatntaagtt cacagtgaca gtttaaacia aatccaaaca aactaacaac anaaacaccc 120
 cttgntttgc ctctagtga aggtgggana acacaanctc gtcctaataa ttgactagta 180
 aaggggaaaa cccggtcatt tncctactct ttccangaaa tatctaatac aagaaagaac 240
 ttctnctcat tatacngaag gaatttngaa aaatgatgta tttttggaac acctaantga 300
 aatactggaa cctgggcaag ttcaccac 328

<210> 516
 <211> 220
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 5, 52, 118, 162, 168, 174, 195
 <223> n = A,T,C or G

<400> 516
 ncctnagttg aaggacccca tgtacatata ggccagggga gcagtactag gntaactaga 60
 aggatctcat ccccatatgt gggctcattt caagtctatg gatgactacc ttcattgntg 120
 tgtgcgagat ggtttcacc cttgaaaata tgggcacttc ancataanat agcnaaatct 180
 ttataatgat caatncatcc tacctccttt tacatgcatg 220

<210> 517
 <211> 296
 <212> DNA
 <213> Homo sapiens

<400> 517
 tgcgatttct tccttgttgt ttgctttggg ctgtgttcaa tccagagagc ttaaattgtc 60
 attatttttg gaagaaaacc tgtatttttg ttagtttaca atattatgaa atttcacttc 120
 aggagaaact gctgggcttc ctgtggcttt gttttcttag tttcttttcc cgtgccgtgt 180
 attttttaat tgatttttct tcttttactt gaaaagaaag tgttttattt tcaaactctg 240
 tccatattta cattctagtt cagagccaag ccttaaactg tacagaattt ccaactg 296

<210> 518
 <211> 299
 <212> DNA


```
<210> 522
<211> 336
<212> DNA
<213> Homo sapiens
```

```
<210> 523
<211> 172
<212> DNA
<213> Homo sapiens
```

```
<400> 523
ngacnggcnc ntggctatgt ntatagatag ggctttaacc actatctgng aagcangagn 60
gacannattc ttgctctcac atnccaacngg anacgtattt ctcttctctt acnagcgaag 120
aaccatctnt ttctaaagcc cccattctat tgcccttgct tttctctggc tt 172
```

<400> 524							
ccagacctgc	agaaaaaactt	agcacagctc	aatctgctgt	tttgatggct	acaggggttta		60
tttgggtcaag	atactcactt	gtaactattc	caaaaaattg	gagtctgttt	gctgttaatt		120
tctttgtggg	ggcagcagga	gcctctcagc	tttttcgtat	ttggagatat	aaccaagaac		180
taaaagctaa	agcacacaaa	taaaagagtt	cctgatcacc	tgaacaatct	agatgtggac		240
aaaaccattg	ggacctagtt	tattattttgg	ttattgataa	agcaaagcta	actgtgtggt		300
tagaaggcac	tgtaactggt	agctagttct	tgattcaata	agaaaaatgc	agcaaaacttt		360
taataacagt	ctctctacat	gacttaagga	acttatctat	ggatattagt	aacatttttc		420
taccatttgt	ccgtaataaa	ccatacttgc	tcaaaaaaaaa	aaaaaacctt	c		471

$\langle 210 \rangle$	525
$\langle 211 \rangle$	332

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 5, 36, 60
<223> n = A,T,C or G

<400> 525
ccccnctgta ttccagcctg ggtgacccca tctcanggae gaaaagttac cagatgtcgn 60
gggtaaaggt tgggtcttcaa gtggcctcat aagttgtctt gcattttaaatt tcaggggaatt 120
cattggacca atagggttaca ttttcgttcc ttttttggtt tgggtcatct gttaagcagt 180
gggggcctaa ttactgctcc tttgtaaaaa cacattttcc caaagaacac tgaattaccg 240
ttcaaaactgg ttgttgatgg gtaataaggg ctgtttttgc tgccccaaaaa gggcttaaca 300
atttaggcgg atagtttact taaaaaaaaa aa 332

<210> 526
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 36, 241, 258
<223> n = A,T,C or G

<400> 526
ccagggttacc tcccctaaca gatgtggtgt tctganggggt tggttaagtgc cccgaggaaa 60
ataggcctta actgttaaca tctacagaga agaaagcatg gtcacactgg caaggagtaa 120
gaagggattg ggtaaaaaga aatgggagag aaaagggaaa aaagttttgg caagacaatt 180
gttccctgct aagaagctgc aggggtgaaa ctttcctttc ttctattttt gtttttaattg 240
nctgtctctc tgatcagngg aaaagtgaat atttctagta tctagcacta acgtatgacc 300
caacttttag ggatcacaaag ctagaacaag ttgaggattt aaaatcctgg ataattatat 360
acttaaagtt catgagcata aagctcactt gaccatgcag aaatgctggg aagcagggtg 420
catggcatgg gaatacatct 440

<210> 527
<211> 124
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 30
<223> n = A,T,C or G

<400> 527
tttccatatt tctgttgggt gcataaatgn cttcttctga gaagtgtctg ttcctatcct 60
ttgccccctt ttgaggact taaatgttag acctaagacc ataaaaaccc tagaagaaaa 120
ccta 124

<210> 528
<211> 162
<212> DNA

<220>
 <221> misc_feature
 <222> 37
 <223> n = A,T,C or G

<400> 531
 ccaattgatt tgatggtaag ggagggatcg ttgaccncgt ctgttatgta aaggatgcgt 60
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
 atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt tag 173

<210> 532
 <211> 395
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 41, 331, 344, 369
 <223> n = A,T,C or G

<400> 532
 caggtcctac tatgggtggt aaatttttta ctctctctac nggggtttttt cctagtgtcc 60
 aaagagctgt tcctctttgg actaacagtt aaatttaca ggggatttag agggttctgt 120
 gggcaaattt aaagttgaac taagattcta tcttggacaa ccagctatca ccaggctcgg 180
 taggtttgtc gcctctacct ataaatcttc ccactatatt gctacataga cgggtgtgct 240
 cttttagctg ttcttaggta gctcgtctgg ttctgggggt cttagctttg gctctccttg 300
 caaagttatt tctagttaat tcattatgca naaggtatag gggntagtc cttgctatatt 360
 atgcttggtt ataatttttc atctttccct tgccgg 395

<210> 533
 <211> 290
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 215, 216, 237, 244, 249, 265, 267, 283
 <223> n = A,T,C or G

<400> 533
 ctgaaccatt atgggataaa ctggtgcaaa ttctttgcct tctctacttc tcaactgattg 60
 aacataagct tccagggtc ccctgaaaac caaatgtcaa aatatttagat 120
 aaatcacata aaacagttta ggggatacca atatataaaa attattaggt aagctcattt 180
 ctggaactgt taatgctcgg ttccacaatc caagnngacc aacagccttc actcagntac 240
 tggnagtgt actatgggta ctacngntac tacctttagt gtnaaaaact 290

<210> 534
 <211> 334
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 43, 44, 96, 126, 219, 228, 239, 248, 263, 287, 299, 310,

318, 322, 323, 330
 <223> n = A,T,C or G

<400> 534
 ccgccagtgt gatggatatt tgcagaattc gcccttagcg agnnagccgg gcaggtccat 60
 ggctagggttt atagatagtt gggtaggttg tggggnatga gtgaggcagg agtccgagga 120
 gggtanttttg tggcaataaa aatgattaag gatactagta taagagatca ggttcgtcct 180
 ttagtggttg gtatggctat catttggttt gaggttagnt tgattagnca ttgttggng 240
 gtaattantc ggctgttgat ganatatttg gaggtgggga tcaatanagg gggaaatana 300
 atgatcagtn ctgcggcngg tnnaccten gcc 334

<210> 535
 <211> 557
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 536, 538
 <223> n = A,T,C or G

<400> 535
 nccataagct tcagtgcgca aaagggtcaag gccagtgtta atttggtatt tcttaaataa 60
 ctttcccttt cttttttaa ttataaattt aacttctaac atgttttatg gttaaaattg 120
 tacttttttc ctttagcgac attcaaagtc atcacaatca ctttgtgaaa ttgttcgcct 180
 gagcagagac cagatgttac aaattcagaa cagtacagag cccgaccccc tgcttgccac 240
 tctagaaaag tatgtgtaaa actctgttct tgttcttctt tcatattgat gctgttccat 300
 gtgttaccat tgtgagtgtg tggttaagtgt tccttatgtg ggaatcatgt gccttgaaaa 360
 taaccttggg tgggtgagaa ggtagggaaa cctgcttctt ttatctcaag taaaagtgtt 420
 ggcagggtaa agaagataaa tgacatttat atctagactt ttgagtttcc caattatttg 480
 gtaaaaatgg gaaattctgt agaagccctt ccttaaaaat gggggaagtc catttnanaa 540
 aattaactgg taggtca 557

<210> 536
 <211> 372
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 37
 <223> n = A,T,C or G

<400> 536
 gttccaacct tcatttctga aactgttcta gagcacngtg tctttctcgt agttcataac 60
 ttacccttct agtctagaat tagaattaca ttatctgttt tactacttta ctagactgta 120
 agtcctaga agataaggac tagggagttc atctctgtat tccaccagaa ggtacagtga 180
 ctcatatcta gagtcttttag atgaaactta ctgagttgaa taacttaata tatttctgtt 240
 ttatttccca agggaggcca tgtctggaga tagacctga atttaataaa ttttaggcac 300
 tataaccattt cagtggagaa aattgttggg aaatttgggg ggatggatat ataaggggga 360
 ggaagtcact gg 372

<210> 537
 <211> 284

1001754-1001754

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 37
<223> n = A,T,C or G

<400> 537
ccttctgatg caaacagaaa ggaaatgttg tttggangcc ttgctagacc tggacatcct 60
atgggaaaaat ttttttgggg aaatgctgag acgctcaagc atgagccaag aaagaataat 120
attgatacac atgctagatt gagagaattc tggatgcgtt actactcttc tcattacatg 180
acttttagtg ttcaatccaa agaaacactg gatacttttg aaaagtgggt gactgaaatc 240
ttctctcaga taccaaacaa tgggttaccc agaccaaact ttgg 284

<210> 538
<211> 293
<212> DNA
<213> Homo sapiens

<400> 538
gtacatagta ggtgtatata tttatgggct atataagatg ttttgataca ggcattgtaat 60
gtgaaacaag cacatcaaca agaatggggg atccatcccc taaaacattt gtcctttggg 120
ctacatgtca tttcctaattg taaagaaaat ggacagacag aaccaacatt gatttgactg 180
ggtgaaaaag tccatttgag ttggggagcag ggggttggtt cctggatttg ggttgtagg 240
acagtgtaaa aagggttcac aggggaacat tcttttctga taaaggaaag cag 293

<210> 539
<211> 468
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 5, 35, 36, 59, 251, 367, 436, 437
<223> n = A,T,C or G

<400> 539
tttcnataaa ctttattttt agagcagttt taagnnggta gcaaaattga ttagaaggna 60
cagagatgtc ccatacacct cctactccca cacatgcaca gccttcccca ttatcaatag 120
cccccaacag agggatacat ttgttaacaa ctgacgaacc tacatatcat tatcacccaa 180
agtccacagt ttatattatt ctttctggag aattttcaaa tacagaaatt cctctaccag 240
gaataaacta ncaatttcct ctcggtttc tataaattta attattattt cagaaattag 300
cctatcttta caggagaaaa tgttataaac catgaaaaga ctatcaaata cacaaggaag 360
tgaatgntat ataaaaaatg taccatctcc taaacaacta cctgcattcc cttcttggtg 420
gtaagttata atttgnnata gttctgatca tctgtttaat taatttgc 468

<210> 540
<211> 397
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

100307454507

<222> 35, 360

<223> n = A,T,C or G

<400> 540

```
ctgttttatt aattccccc tttgcagcac acttntctct tccaacattc atcagtcaga 60
tcagagtcca cggctttttc aaaattttaga taaactggct tacatittgt aatgatgtcc 120
ccagacaaca cccactcca acccattctg tttgttacta ttagtttaca acatgcatgt 180
gcctttactt tcattttcat agtattttaa aatggaagg cactcccaa tttactttaa 240
cccctttaat aatctctctc ctccctgctc ctctggctct ccagacaact gttgatttac 300
tttcctttat gatggattag tttgcatttt ctagaatttt atatgactga catataaagn 360
ttttatgttt ctcccccttg gggtttcttc tgtggca 397
```

<210> 541

<211> 248

<212> DNA

<213> Homo sapiens

<400> 541

```
cctagatagg ggattgtgcg gtgtgtgatg ctagggtaga atccgagtat gttggagaaa 60
taaaatgtgc atagtggggg ttttatttta agtttggttg ttaggtagtt gaggtctagg 120
gctgttagaa gtcctaggaa agtgacagcg agggctgtga gttttagggt gagggggatt 180
gttggttgga aggggggatgc gggggaaatg ttgttagcaa tgagaaatcc tgcgaatagg 240
cttccggc 248
```

<210> 542

<211> 366

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 75, 123, 364

<223> n = A,T,C or G

<400> 542

```
aatcgccct ctatgatcat gctcgagcgg ccgccagtgt gatggatata tgcagaattc 60
gcccttgagc gatanccgg gcaggtccaa ttgatttgat ggtaaggag ggatcgttga 120
ccnctgtgt tatgtaaagg atgcgtagg atgggagggc gatgaggact aggatgatgg 180
cgggcaggat agttcagacg gtttctatct cctgagcgct tgagatgtta gtattagtta 240
gttttggttg gagtgttagg aaaagggcat acaggactag gaagcagata aggaaaatga 300
ctatgagggc gtgatcatga aaggtgataa gctcttctat gataggggaa gtagcgtctt 360
gtanac
```

<210> 543

<211> 460

<212> DNA

<213> Homo sapiens

<400> 543

```
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
gctgttcctc tttggactaa cagttaaatt tacaagggga ttttagagggt tctgtgggca 120
aatttaaagt tgaactaaga ttctatcttg ggcaaccagc tatcaccagg ctcggtagg 180
ttgtcgctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240
agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggtctt ccttgcaaag 300
```

```

ttattttctag ttaattcatt atgcagaagg tataggggtt aglccttgct atattatgct 360
tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt 420
ctatgccta tactttattt gggtaaatgg tttggctaag 460

```

```

<210> 544
<211> 116
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 42, 46, 95
<223> n = A,T,C or G

```

```

<400> 544
ccgccagtgt gatggatatt tgcagaattc gccctttgga gngctngcgc ccgggcaggt 60
ctgtttcagc agctcctcct tcttcttccc gcgangatct cgagccttga tcttgg 116

```

```

<210> 545
<211> 380
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 13, 18, 102, 104, 123
<223> n = A,T,C or G

```

```

<400> 545
cgacggatcg atnagctnga tatcgaattc ggacgagcat ggcgtattgc tgcagatatg 60
gattcttcag aatgctccat gacaaatgta ctgacgggaa gncnatctaa aggaggcatt 120
gtnatgagag aaaggtctcg agctccagat aaagagagat acagagttct tggaattgga 180
gttgcagaaa cagtaagaca atcgattgtg ggggaagcgtt cttttagaga atctttggcc 240
ttcactccaa agcgttggtt ttcattcaata ataagtagct cgtgccgaat tcttgcagcc 300
cgggggatcc actagttcta gagcggccgc caccgcggag gagctccagc ttttggtccc 360
tttagtgagg gtttaatttcg 380

```

```

<210> 546
<211> 418
<212> DNA
<213> Homo sapiens

```

```

<400> 546
ccagggcaat taggcaggag aaggaaataa agggatttca attaggaaaa gaggaagtca 60
aattgtccct gtttgcgat gacatgattg tatatctaga aaacccatt gtctcagccc 120
aaaatctcct taagctgata agcaacttca gcaaagtttc aggatacaaa atcaatgtac 180
aaaaatcaca agcattctta tacaccaata acagaccaac agagagccaa attatgagt 240
aactcccatt cacaattgct tcagagaata aaatacctgg gaatccaact tacaaggat 300
gtgaaggacc tcttcaagga gaactacaaa ccactgctca aggaaataaa agaggataca 360
aacaaatgga agaacattcc atgctcatgg gtaggaagaa tcaatatcat gaaaatgg 418

```

```

<210> 547
<211> 172
<212> DNA

```

10017541001

<213> Homo sapiens

<400> 547

```
cctgagggttg ggagaaattht tgtccatttc tttagaacca aaattggcaa ccagagagta 60
tttgatgttt acacaaaata tctagtttcc ctttctagcc taaattgggt tgtttatagc 120
acccgtctct ccatttgaga aaaatgggta ggatgctggt gcagggatga gg 172
```

<210> 548

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 340

<223> n = A,T,C or G

<400> 548

```
ggtctgactt aagagaaaca atggaaggca agaggcagta gaataatata ttcaaaagat 60
gcaaaggaaa aaaacctctc agccacgaat tccttatcca gcaattattht ttcaaaaatg 120
aaaataacac aaagacttag ccagataaac agaaacatta actgaagttg ttgctggcag 180
acctaccata taaaaataaa aaactctaaa aaaattccta tggctaaaag caagttacag 240
aagacagtca cttgaatcca cattttaaaa aaagcactga tatacgtaat attgacatta 300
taaaagacag taaaaatgca tttcttcttt ataataaatn gcttattaaa taacatgtgt 360
ataatgg 367
```

<210> 549

<211> 418

<212> DNA

<213> Homo sapiens

<400> 549

```
ccaaatcaga acctagagtg agcattctat aaactcacct ttgctttgat ccttgaagat 60
cacaagtttt gatactgttg aaatctctac tctttcaaca ctttaattaa atggcattta 120
gaatttcata tacttctgtt gttgtttcca caatcttaaa ctggatttag aaatacttat 180
aatgtaaaatg caagagcttt aacttagtaa ccgtatttcc tattttttgt tgtttttctt 240
ttgccagaat ttctgtttgt ctacaataaa gtccagcgaa atacagtatt tggttagggt 300
acttgtaaac ataaaattht atcatttgta gagtttttac ttaaccttcc tattctctag 360
tctctataat ctttcaatga agataaccag ttacgaatat ctcctatacc atattagg 418
```

<210> 550

<211> 234

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 15

<223> n = A,T,C or G

<400> 550

```
cctaccgcc gcagnactga tcattctatt tccccctcta ttgatcccca cctccaaata 60
tctcatcaac aaccgactaa ttaccaccca acactcaca caaaactaac taatactaac 120
atctcagacg ctcaggaaat agaaaccgtc tgaactatcc tgcccgccat catcctagtc 180
```

ctcatcgccc tcccatccct acgcatcctt tacataacag acgagggtcaa cgat

234

<210> 551
 <211> 542
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 13, 14, 29, 160, 190
 <223> n = A,T,C or G

<400> 551
 caccctacc ccnntcctca taaaagttnc tctccctgga tctctttttt ccctcatgag 60
 tgcccggttg cccaagtcaa aaacctggga gtgatataaa ctccccacac atccagtcag 120
 tcaactcatca actctattga ttctgtctgc taaatataatn tcaattgtat taacttaaac 180
 atatgcatan ggcactttct tcttcaactgc atttttgtgg gctgcactta cctttcaggt 240
 aacgacaaca ctggccccctc ttgcccttct agtcagaagt gccaaaatga tgagagctag 300
 ccatgacaaa ccacagcca acattacact gaatgtgcaa aactggaagg gcatccaaac 360
 agaggagggg agagaggaat agacaggaag tcaaaactgtc tctgtttaca gatgacatgt 420
 ttctatatct ataaagcccc atagtcttgg ccccaaagct tcttctgctg ataaacttta 480
 gcaaagtctt agcatacaaa atcaatgtgc aaaaattact aacagtccta tacatcaagt 540
 ca 542

<210> 552
 <211> 411
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 6, 25, 209
 <223> n = A,T,C or G

<400> 552
 cctggntgac aaggagggtgc ctgtnatgtg aagatttgag gaaagagcat tccaggcagg 60
 gggaaggctt gatgcaaagg gtctactgca ggcattagct gagcttattt aaagatcaga 120
 atgaaggcca ttgtggctag aacagagtgg acaggaagga atgggtaccag gcaaagctga 180
 agaagttggc aggattgagc tctcataant catggcaaag agttcccat tcatgtttg 240
 acggaataa attggaaggc cttaagtagg agaagatttg attagattta cattttacga 300
 agaagcactc tggatgttat gtgaagaaat ggcctttgca gggcaagggt ggaaacaaag 360
 agatcagtta ggaaattatt ggagtagctg aggattggat gaggggatgt g 411

<210> 553
 <211> 631
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 395, 574
 <223> n = A,T,C or G

<400> 553

```

ccgggattag aactaaaaca agtgagatca cccctctaata ttttctgaa cttgggttaat 60
aaaagtttat aagattttta tgaagcagcc actgtatgat attttaagca aatatgttat 120
ttaaaatatt gatccttccc ttggaccacc ttcatgttag ttgggtatta taaataagag 180
atacaaccat gaatatatta tgtttataca aaatcaatct gaacacaatt cataaagatt 240
tctcttttat accttctca ctggccccc ccacctgccc atagtcacca aattctgttt 300
taaatacaatg acctaagatc aacaatgaag tttttataa atgtatttat gctgctagac 360
tgtgggtcaa atgtttccat tttcaaatta tttanaattc ttatgagttt aaaatttgta 420
aattttctaaa tccaatcatg taaaatgaaa ctgttgctcc attggagtag tctcccacct 480
aaatatcaag atggctatat gctaaaaaga gaaaatatgg tcaagtctaa aatggctaata 540
tgtcctatga tgctattatc atagactaac gacntttatc ttcaaaacac caaattgtct 600
ttagaaaaat taatgtgatt acaggtagag g                                     631

```

```

<210> 554
<211> 558
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 6
<223> n = A,T,C or G

```

```

<400> 554
ccaggntagt ctccaactcc tgaccttagc tgatccaccc acctcggcct cccaaagtgc 60
tgggattaca ggcattgagcc actgcgccc gccaaacttg atatgcattt ttaaataagt 120
taatacatta ttcatgggtt agtctcatta tatattctat ggtccacttt gaaatttcat 180
ctaaccaaaa tcatcttcat cctgcaattt gaggtttgga cacaatgggg attgatcagt 240
aattttcttca tatgcccttt ctcaaggaaa tagtttctta tgaaaaaaaaa gtcctatggt 300
ttcatgtaag ttctcttttt ggagaagaaa aggagacatt cttacttagc actctcagtt 360
ttacaaaacg ctgccaacct taaaatttgt ctattgattc ccaaggcaca caaccaatag 420
tctgtcaata acccggaata acatttcttt aaggccccag taactttcac atgtttgggt 480
tccaatctc acctagaatc ttgttaagaa aagtaaacca ttcactctc tagaaactct 540
aaggttgctt cttagggg                                     558

```

```

<210> 555
<211> 212
<212> DNA
<213> Homo sapiens

```

```

<400> 555
ccaggatatt gcataatggc ttttcttctg ttgcctttgt tcctttgtgg ccccagctaa 60
ttgcctgaga gtgccactgt tagttttcaa ctctttctga tagaaacct gtgtactaac 120
atggaaatct taggtaatct gctttttcaa agcacaatgc agaatttatt ggcgggtggtg 180
taactttaag aatatccgag aagccaccaa gg                                     212

```

```

<210> 556
<211> 219
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 214, 216
<223> n = A,T,C or G

```

```

<400> 556
ccatgtgtct atctggagag aaggggaaac agcaagtgca aaggccctga gatggaacat 60
atctggagaa ttcgaagaat ggtaagaagg ccagagtgga gcagaacaag tgtgggagag 120
agttgtagga gatgagatca aaggctagga atgaagtgta aggccatgtc atgtgacctt 180
gtatgtcctt gtaaggcttt tttttttttt ttttncct 219

```

```

<210> 557
<211> 482
<212> DNA
<213> Homo sapiens

```

```

<400> 557
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
gctgttcctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgtgggca 120
aatTTaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt 180
ttgtcgctc tacctataaa tcttccact attttgctac atagacgggt gtgctctttt 240
agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggtctt ccttgcaaag 300
ttatttctag ttaattcatt atgcagaagg tatagggtt agtccttgct atattatgct 360
tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt 420
ccatcgctta tactttattt gggtaaatgg tttggctaag gttgtctggt agtaagggtg 480
ag 482

```

```

<210> 558
<211> 679
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 5
<223> n = A,T,C or G

```

```

<400> 558
ctgtnaaaat tctgaaccta tccccaaaag aaaaaccgtg aaatacaagt tttaggaggt 60
ggagcaaaga aaagccaagt tattttaaac caataaacac aagagacaat tctgctggag 120
aatTTacttt ctccaaaaca tcaaattggac tttaaagcag aagaccacat tttatgagaa 180
agttatgtca ctgaaaagct tcatgtaaag tgactttgta aatggaatat ttttaaata 240
taaaaagaaa ataactttc caggaatcct ttggagaggc tgataaccag atattaaatt 300
atcaattttg ccaaagtggg ctttttaaaa atgtgttact tttaaaaact aacttgaaag 360
aatTTatgag gcaatctatc tgagtatgtt tattgttgct ccattggctt tcaggatttt 420
ggtcattttc ctgttaactc ttacatcaga gaataaagaa aagaaaatga aactttgtta 480
ggaaactggg tggaatgt agtcccagac agatctactg acctcgactg agtttcagaa 540
atatcccagg attttggtta ttcatgcctt tcttttggtga ctttctttca aattagccaa 600
ttaagatac cccttcaatc accggtgaca tcagtacaac agtttttcaa cagttttctc 660
tctcctgacc aaacagttt 679

```

```

<210> 559
<211> 488
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```


<222> 393, 407, 420, 450

<223> n = A,T,C or G

<400> 559

```

ccccactgta ctccagcctg ggtgacccca tctcaaagaa gaaaagttac cagatgtcat 60
gggtaaagggt tgggtcttcaa gtggcctcat aagttgtctt gcattttaa tcaagggaatt 120
cattggacca ataggtttaca ttttcgttcc ttttttgttt tggttcatct gttaagcagt 180
gggggcctaa ttactgctcc tttgtaaaaa cacattttcc caaagaacac tgaattaccg 240
ttcaaactgg ttgttgatgg gtaacaaggg ctgtttttgc tgccccaaaa gggcttaaca 300
atthagcgcg atagttttact taaaaaaaaa aatcctttgg agacatactg aaaatgcaaa 360
ctagtttcta aattatcaat tccctacatg aanaagcagt ttgccanagt ttagtctcan 420
aaaatgactg gttggctcta tttaaatcan aaccaattt ctacgcacct gcccgcccg 480
ccaagggc

```

<210> 560

<211> 602

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 5, 566

<223> n = A,T,C or G

<400> 560

```

cctanttaag aattccttgc cttagtgggtg aacaaggact aaacacagac aatgggtgaa 60
acacagacgc taattcacat aacagagagt aggcaacctt aagaatgaat tgatgcagac 120
tcctatagaa ttctctgtgt atgactgggt tcttattttc tcctccttgt atgtagtga 180
aatttcatca ttatgaatag ttcttggat ctttttttaa agttgtgaat gcgagtgttt 240
ggctttgtaa tacaactttt tagtatccag aagataacca gtgctctacc aataaagatc 300
ttttgataca aagggtttta acttctgcca gttcttactc atttttttca ggttttttat 360
acatttctta aacaacacat acattatgta aaatataaga attaatgtac attctcaagg 420
ccagattcag tgacaaaatg cactaccoga atctagtaac acatttactc cttgctgcat 480
ataagtggcg tgtaagaaat acagggtata ttgttttgtg atccatgcag taaatgttca 540
caaatatcag gcaaacaact agacgntcct cagctactaa aattaactgt cccagtcaca 600
aa

```

<210> 561

<211> 683

<212> DNA

<213> Homo sapiens

<400> 561

```

gtctattttt aaaaagaaag aaaaaaacca cttttttata gtccctagct ttgccatag 60
ccgccttaa gtggaaggaa agttaatcac ttaactatgt tttataaaaa gaaaaaagg 120
cttggaatgc tattactgtt cacacaaagt atgattctgt ttgaataagg caaatgctcc 180
tttttttaaa aaaagacatt actgtaatat caaaaaccgt ggcagtttgt atacaactct 240
gggcttgatt ttttttaaaa aaacagaatg aattgatgtc ttattttata aatgttctat 300
atttattagg agaaaacttt atattgcctt ttttatcaat catgtaacag gcttatagct 360
ttccaacaga gctgcttgcc aaacaatttt tttgtttat taaacagtgc tgaaacaaac 420
aggatcagca tttacttaag atgttaagaa tgaggacttt taatcagccg aaccaagata 480
ttgttacctg tatgcattcc caaagtctag atgctcagta tgttcagtc tttctttcag 540
aatcagtgaa ccgattaccc ttttttgggt attcactcta catctgcca cctagttcac 600
cttggttttg tgtctgctgt agaagggaac cataacttgg ttaaaccgta gggattatca 660

```

ttgtatacat gctgtgaaca tgt

683

<210> 562

<211> 420

<212> DNA

<213> Homo sapiens

<400> 562

```
gcactttttt tccagtaagg attcatctct tgctctccta tatggtcatt atattttata 60
ttttacatat ttataaacat gacatatgta tttatgttcc acaaagggtt ttgaatagaa 120
tttacacata gagttccctg ggttgatgtg tttatcaaaa tggaagataa agtgaattaa 180
ttacttaaat atttaacact attgaataga aataatttcc ccaatattgc ttcattgattt 240
agacagtcta ttaaatgttt aagcaaggca ctagactaag tttattaaga caaatttttg 300
aatatgtgca gaaatatgac ctggctaata gtacagagtc aaagctgggt gaatgggtgtt 360
atatagtgga ttcagattga tgtggcagtg gtggttacac taggggcact aagggttatcc 420
```

<210> 563

<211> 482

<212> DNA

<213> Homo sapiens

<400> 563

```
ctccacctta ctaccagaca accttagcca aaccatttac ccaaataaag tataggcgat 60
agaaattgaa acctggcgca atagatatag taccgcaagg gaaagatgaa aaattataac 120
caagcataat atagcaagga ctaaccctta taccttctgc ataattgaatt aactagaaat 180
aactttgcaa ggagagccaa agctaagacc cccgaaacca gacgagctac ctaagaacag 240
ctaaaagagc acaccctgtc atgtagcaaa atagtgggaa gatttatagg tagaggcgac 300
aaacctaccg ggcttggtga tagctggttg tccaagatag aatccttagt caactttaac 360
tttgcccaca gaacctcta aatccccttg taaatttaac tgttagtcca aagaggaaca 420
gctctttgga cactaggaaa aaaccttgta gagagagtaa aaaatttaac acccatagta 480
gg
```

<210> 564

<211> 302

<212> DNA

<213> Homo sapiens

<400> 564

```
ctggaagtga aggtactaat atacaaatgg ctcttggttc tgaatatgtg atataatttg 60
tgaatctttg gaaactgaat tttttctatg gagtgcaaat atagaagggt tattttacaa 120
tgtttggttg gaaaagaatt cactttgtta acaactatta aggctggaag tttagtgaag 180
gtgcatagtt ttgaaagcta cacaggtgaa aaatcaaact tattgtttgt aattttgctg 240
ttacatgtta agttactttg acagcaattt tctaatagata atgtgattta tgatttaaaa 300
gg
```

<210> 565

<211> 554

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 4, 5, 37, 38, 550, 551

<223> n = A,T,C or G

<400> 565
 ccanngtgac atcatggcaa tacagcaaga attctggnat ttatttagaa gcctcaagga 60
 gaaggatcct ggagcccctg aatgagagtt tcttctccat gcctctcccc agtcaaaata 120
 catggaaata ttcatagaag cattgtaccc agcatgataa ggaaggatgg agaattggtc 180
 cttatatctc tggtcacaaag acatcaacac tcttaagtaa ctgtatgaaa taaattctct 240
 gctgaaagca aataaaccat ctgaaaggct tcttggttac ttacacagat ttcctagaga 300
 atctgaaatc agcctaacag ggaagattaa tttttaaatg aatccaagtt aatgaaagca 360
 aagaactctt atacagaaat acattttcct attataaagc aggactacct tccctaattt 420
 ctgatagacc taggacaatt tgaatgggca ttgaaattct tttggttgaa ttacgcaaac 480
 aagcaaagga aaagtctcaa ttattattgg aaaatttggg gagagattat tatctcttga 540
 tctcctagtn natt 554

<210> 566
 <211> 631
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 14, 15, 35
 <223> n = A,T,C or G

<400> 566
 ncgaagctgt gaanncatto acacggaatc tgganggtat tactgtaact tcttataata 60
 cataatataa aagtttttga aagatataga cacaattaac ccctaaacaa cacactatct 120
 gattctcaaa agcaatggct atttaacaag atgtaaaagg acaataacat atcaaagaac 180
 tttcacacac cttaaagatag catttagcag caagttagtc agacaaaaca aacataaata 240
 tcttcacatt tcctatgttt gtttttaact ttacttcata aagccactga taattgaggt 300
 ttctttcaag tataagattt ctaaaattaa aaactgtttt tgacatattt ttataaagaa 360
 ataaaaagca aaacgcaatc caactattta tatgagtccc tcttctccaa cagctttaga 420
 tgtttttctg agtacttttt acacagaata tttttattaa aatcagttct aattcattta 480
 tgcagattag gggaaaatga ttcataataa attaaactta aaattacctt ctatctgctt 540
 ctacctctat cccccatca ccaccaaatc tgttgctaca gtgaactgta gccaatgtct 600
 gtttgagggg gcccaaagca tctggtaatc t 631

<210> 567
 <211> 510
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 6, 39, 87, 97, 111, 113, 161, 163, 179, 210
 <223> n = A,T,C or G

<400> 567
 cctatnatag cttctctagc tatcatactc caatcagcna aaaatgagaa aatggttgaga 60
 aatagaagat aattcctcat ttaaggncac cttctanaat ttgtgcttaa nantctgttt 120
 tcttctcatg ggccagcact tcggcaactg ggaaaaatta ngngtacagg gatctaggna 180
 atactgttta tttgagcaat aatatattgn gctaacgttc aggcaccta ttactgagaa 240
 ataagggaaa atgagtgtaa agtacaacta agagtctcgg ctacagggaa aaataccatc 300
 agttaaatat ccatagtcct agagcattta tgtaaaactg caatttgaat cctgcaatac 360

attttggctt tttcctcagt gataccatgt gtgggaagtt gttctgtcaa ggtgggtcgg 420
 ataatttggc ctggaaagga cggatagtga ctttctgac atgtaaaaca ttgatacctg 480
 aagacacaag tcaagaaata ggcattggtg 510

<210> 568
 <211> 180
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 6, 11, 34
 <223> n = A,T,C or G

<400> 568
 ttaatntgac ncacgcttat gcggaggaga atgntttcat gttacttata ctaacattag 60
 ttctttctata gggatgata ttggtccaat tgggtgtgag gagttcagtt atatgtttgg 120
 gatttttttag gtagtgggtg ttgagcttga acgctttctt aattgggtggc tgcttttagg 180

<210> 569
 <211> 237
 <212> DNA
 <213> Homo sapiens

<400> 569
 ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
 atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt caggaaaagg 180
 gcatacagga ctaggaaagca gataaggaaa atgactatga gggcgtgatc atgaaag 237

<210> 570
 <211> 352
 <212> DNA
 <213> Homo sapiens

<400> 570
 ctgtctctcc atttagagcc ccagttggtc ctgacctctt acaaatttgg tgttttcact 60
 ttgatgttta tgaaccgatt gcattaaaaa tgcaggataa tgattcaggg ttagagaaac 120
 tattatttat acaaatgtgg ttaacacctc atcattttta attggctgtg ctaataatgc 180
 tcattgtgct cttcagggtt atgtgtgtgt gtgtgtgtgt gttttgcctg aatctgcaac 240
 ctacatttgc tctggcagta tgttgagtat atgctagaat agaattggacc taggcaactc 300
 taaggtccta caactaaata cacttactta ggaaacctcc taaataagta gg 352

<210> 571
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 571
 ctgattttta caataactac tgtgttcctg gcaatagtgt gttctgatta gaaatgacca 60
 atattatact aagaaaagat acgactttat tttctggtag atagaaataa atagctatat 120
 ccatgtactg tagtttttct tcaacatcaa tgttcattgt aatgttactg atcatgcatt 180
 gttgaggtgg tctgaatgtt ctgacattaa cagttttcca tgaaaacgtt ttattgtgtt 240

<400> 575

```

ccagatntga cttttcaaaa ctactcacat tgtgaaaaan gcaggaacaa atctagtttc 60
aagttcagca tgccgttccc tgtttaattc ataaaaacaca actggcagaa gtattacttg 120
aagcaaaaaca aaagtaacgt gggaacttgc ttatttgcta agccacaatg ttttttcca 180
ggaatagcat aaatttgcca tctttcttgt gtctatggaa aaggggttta gaattgtttc 240
actaaaaatt aaatttctat attgtcaaac atgattgtat actcaaattt taaaatgtga 300
agggaaacact tactaagcat ttcttgggta tgccactata ttaagtccta gtaatatgat 360
atagttttatt tcaatttttt ttcaactcat acttccttta aaatagcact gacccaaaaga 420
aagttaacat gagcttcatg tacaattttt aatctttttg cagaaaaata aactgagaaa 480
ggctaaaatt gttttattta agccactata ccaagacata ttgatttcac caatataaaa 540
attgagatag tttacatttt ttggtacatc tttaaaatct ggtatgtatt tttatactga 600
cagcacatct caatttggac aagctacatt tccagggctc aatagtcacc atgaatctca 660
attgtaatca aagaggttgg cctg                                     684

```

```

<210> 576
<211> 134
<212> DNA
<213> Homo sapiens

```

```

<400> 576
ccttatttct cttgtccttt cgtacagga ggaatttgaa gtagatagaa accgacctgg 60
attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
atagcggtcg cacc                                     134

```

```

<210> 577
<211> 133
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 14, 25, 27, 34, 117
<223> n = A,T,C or G

```

```

<400> 577
ctgtctctcc attnagaagc cccantnggt cctnacctct taaaaatttg gtgttttcac 60
tttgatgttt atgaaccgat tgcattaaaa atgcaggata atgattcagg gttaganaaa 120
ctattattta tac                                     133

```

```

<210> 578
<211> 200
<212> DNA
<213> Homo sapiens

```

```

<400> 578
cctcaaattc atcttcaaag gtgacccagc aatcagtgtc aatgccttta ctgtagttaa 60
cctggtaatt tcattcttta gtctctccaa gaaaatctga agtgtattag gcaagtcaga 120
acccaaattg tctccaaggt tgcaaataat ttgtcccata caggaaatag ccctttcctt 180
gacttctga tcaatgtcag                                     200

```

```

<210> 579
<211> 402
<212> DNA
<213> Homo sapiens

```

<400> 579
 ctgatttttaa caataactac tgtgttcctg gcaatagtgt gttctgatta gaaatgacca 60
 atattatact aagaaaagat acgactttat tttctggtag atagaaataa atagctatat 120
 ccatgtactg tagtttttct tcaacatcaa tgttcattgt aatgttactg atcatgcatt 180
 gttgaggtgg tctgaatggt ctgacattaa cagttttcca tgaaaacggt ttattgtggt 240
 ttttaatttat ttattaagat ggattctcag atatttatat ttttatttta tttgtttcta 300
 ccttgaggtc ttttgacatg tggaaagtga atttgaatga aaaatttaag cattgtttgc 360
 ttattgttcc aagacattgt caataaaagc atttaagttg aa 402

<210> 580
 <211> 245
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 80, 114, 217, 233, 237
 <223> n = A,T,C or G

<400> 580
 ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
 agggatggga gggcgatgan gactaagatg atggcgggca ggatagttca gacngtttct 120
 atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
 gcatacagga ctaggaagca gataaagaaa atgactntta gggcgtgatc atnaaanggg 240
 ataaa 245

<210> 581
 <211> 294
 <212> DNA
 <213> Homo sapiens

<400> 581
 tgcagcgcaa gtaggtctac aagacgctac ttcccctatc atagaagagc ttatcacctt 60
 tcatgatcac gccctcatag tcatttttct tatctgcttc ctagtccctgt atgccctttt 120
 cctaacactc acaacaaaac taactaatac taacatctca gacgctcagg aaatagaaac 180
 cgtctgaact atcctgcccg ccacatcctt agtcctcatc gccctcccat ccctacgcat 240
 cctttacata acagacgagg tcaacgatcc ctcccctacc atcaaatcaa ttgg 294

<210> 582
 <211> 230
 <212> DNA
 <213> Homo sapiens

<400> 582
 gaggtcgccc tcatagtcac tttccttata tgcttcctag tctgtatgc ccttttccta 60
 acactcacia caaaactaac taataactaac atctcagacg ctgaggaaat agaaaccgtc 120
 tgaactatcc tgcccgccat catcctagtc ctcatcgccc tcccatccct acgcatcctt 180
 tacataacag acgaggtcaa cgatccctcc cttaccatca aatcaattgg 230

<210> 583
 <211> 481
 <212> DNA
 <213> Homo sapiens

<400> 583

```

ccaagggtgt tctgcctgcc tcagcctccc aaagtgctgg gattacaggt gtgagccact 60
gtgcctgacc acaggaaaac ttatttaa at gagagatttg actcgaaaga tcccgttttt 120
ttaaggctct tagttcttaa aagcggcaca taatagaatt agtataatcc caaataaatt 180
ttcagtagat ttttggtgta acttgagaag atgattctgt catttttagt gacaatttaa 240
aagacctgaa attgtctaca gccatagaaa gtgaactact gatagttggt tctgtaaaagt 300
tttattggaa cacaaccaca cctatttggt catctgtatt gtctttgggt actttgtgca 360
gagaccatgg cccacaaacc taaaacattc actttctagc tctttaagaa ataattggcc 420
cactgacacc ctggtcttaa ggtctagacc aattatttct caagagtatt agctgaatca 480
g                                                                 481

```

<210> 584

<211> 306

<212> DNA

<213> Homo sapiens

<400> 584

```

ccaattaaga gctaaattta caaaataatc tctatcagga ggctttaagg tttaatgtct 60
ctaaagtccc tatggatata agaggcttga atgtactgaa ttcaaatttg gtttttaaat 120
gttataatag tttaggcccg agagccacat atttctgtct aagaatagaa agcatagcta 180
gctgcccaca cagaatattc atatagaggt ggggggcaag aacaaaattt attcatttga 240
tacatagaaa tgggactact tagaatagac tcataataga aagcatcatc tggtttctca 300
tctcag                                                                 306

```

<210> 585

<211> 308

<212> DNA

<213> Homo sapiens

<400> 585

```

ccagaatggt acagagtgga ggggtgttctg ctaatgactt cagagaagta ttttaagaaaa 60
acatagaaaa acgtgtgctg agtttgccag aaatagatgg cttgagcaaa gagacggtgt 120
tgagctcatg gatagccaaa tatgatgcca tttacagagg tgaagaggac ttgtgcaaac 180
agccaaatag aatggcccta agtgcagtgt ctgaacttat tctgagcaag gaacaactct 240
atgaaatggt tcagcagatt ctgggtatta aaaaactaga acaccagctc ctttataatg 300
catgtcag                                                                 308

```

<210> 586

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 105, 119, 132, 139, 140, 144, 159, 160, 208, 226, 230, 247, 250

<223> n = A,T,C or G

<400> 586

```

cctgtctttg aatggatgaa ataggttaat aaaaaacatc actgtttaaa aactagaaca 60
ctgaaaaatt ctaggaaagc ttattttccc ttatatattt atggnacttt caacacttna 120
caacactatt tnaattaann tttnttctag agtttatann atatcagtac attcttttct 180
gtggatgcaa taatatagaa tcttatttnc aatcttactg gcaggntctn ttaaattctt 240
caacgntgn catagtgatt aaccaaaatt agttatgatt tctgcctatc tgtgtgagaa 300

```


cttacagggg aaattgttct aaacctgagg aacatgaagt aactgtactg cacactccaa 360
atgatgacag tcattttata tcaccttcaa ttaccaaca gcttttaata gtctgg 416

<210> 587
<211> 382
<212> DNA
<213> Homo sapiens

<400> 587
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
gctgttcctc tttggactaa cagttaaatt tacaagggga ttttagaggg tctgtgggca 120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtagg 180
ttgtcgctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240
agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggtctt ccttgcaaag 300
ttatttctag ttaattcatt atgcagaagg tataaggggt agtccttgct atattatgct 360
tggttataat ttttcatctt tc 382

<210> 588
<211> 307
<212> DNA
<213> Homo sapiens

<400> 588
cctactcttc tccgtccatt gtactatctg cccgtgggtg ggatggcagt aggatcatat 60
ttgatgactt ccgagaagca tattattggc ttcgtcataa tactccagag gatgcgaagg 120
tcatgtcctg gtgggattat ggctatcaga ttacagctat ggcaaaccga acaatttttag 180
tggaataaa cacatggact aatacccata tttctcgagt agggcaggca atggcggtcca 240
cagaggaaaa agcctatgag atcatgaggg agctcgatgt cagctatgtg ctgggtcattt 300
ttggagg 307

<210> 589
<211> 89
<212> DNA
<213> Homo sapiens

<400> 589
cctgggtgat tgaggatgca atgagctgtg attgtgccac cacactccag cctgggcaat 60
acagcaagac tgtctcaaaa aaaaaaaaaa 89

<210> 590
<211> 456
<212> DNA
<213> Homo sapiens

<400> 590
cctcagttct tgattgtggt tgacggggcg tcaccatgaa ggagcccatt tagtataaag 60
cttccaacct tttctcttaa tcgtttcttt aatcttttaa accatcttca agtgcataag 120
ggagtttccg atgccagagg atgaaagcaa gtgctctctc caccctctcc tcccagagt 180
aaaacaaatc cttttgctga tacttgtttc aaaagcatcc attgtaaagc ttctcagtga 240
cacaaaatac tgagaggtaa ctttttatca atcaaaccac atacccaat ttaacacctt 300
tcaatgctct gaattcaact gacagactaa aggggtgttt ctgtaacagt ctgaaatatt 360
aagtgttttt tttgttttgt ttttaaatct tttttcagaa aacttctctt tggggtagga 420
aagtacacat gaagcagcaa agtaacgaag aaaaaac 456

<210> 591
 <211> 289
 <212> DNA
 <213> Homo sapiens

<400> 591
 ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
 atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
 gcatacagga ctaggaaagca gataaggaaa atgactatga gggcgtgatc atgaaagggtg 240
 ataagctctt ctatgatagtg ggaagtagcg tcttgtagac ctacttgcg 289

<210> 592
 <211> 435
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 250, 316, 325, 392, 430
 <223> n = A,T,C or G

<400> 592
 cgcgttagat ggcgccttttc cggcctgtgc gtctgctctg gttcctctca ggcagcaaag 60
 ctgggggaagg aagctcaggc aggagcctcc ccgacaccac agcggcacaa gcagcagcta 120
 aagcacgcga ctttgctctg ctaacctttt acttaaatga ggttttgcca aatccacatc 180
 tggaaccgca tcacacccat ttgcaaggat gtttgcttct tgatgaaact gcatctctac 240
 tgcacatgan ggcttttcatt gtaggacaag aggagagttc gtttattttt gtaactgttt 300
 tacatgttcc gattanttaa tcggnagctt atgtcatttg ctatgcctgt tgtcttctaa 360
 tctctcctta ctaaaacatt acttcaaatt tnaattgacc cttgtttata atttatttaa 420
 cgggatttgn gtgtc 435

<210> 593
 <211> 633
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 35, 620
 <223> n = A,T,C or G

<400> 593
 ctgttttagtc agataattgt gtccgaattg attangaaaa taatagacca gccataaagc 60
 agcataaaat attatgaaac tattccagaa gttcagtaat atctttggga cctgctcata 120
 gcccaagttt tgtgaatact tttgtagtta aaaaaaattt ttactttacc agggcattgc 180
 aattcttttc catcagtga tttcattcta cagacttttc agagcatctc ataatcagtc 240
 aacaaatcta tttcaaagt gtttgttact aagcaacggt tgctaagagc ttctgtaatt 300
 aagatgaaag ttccaaggta acaatgcccc aacacagcac cattttcacc attttctgat 360
 aatgcaggag taggatggct aaaagtgaag gaagaatcta ctctatggaa agcatggcac 420
 ctgaaatttc tgaagatatt ggctgtcctc tagcttatat gagagagagt gtttgtgctt 480
 tactaatcaa ccagtcattt ttttcttggt tggctgaaat gtacattcca gacatgaaca 540
 ggtagagtat gtgttggggg cagggtttata ctgcatgggt gtgctgagac agggccacgt 600
 ggtgatgtaa atgatgctgn ctgacacgtg cag 633

<210> 594
 <211> 501
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 34
 <223> n = A,T,C or G

<400> 594
 cctttacaag atgctggtac cttgatcttg gacngggcag gctccaagat ggaaagaaaag 60
 tgagcatctg ctttttaggg attatccagt ctatactact ctgttctagc cacacaaaac 120
 aggttaagac agaaattggt accaagagtg ggggtgttact acagcaaata cctgaaaatg 180
 tagaagaggc tttgaaatgt ggtaattgga agaagctggg agaatttgga ggagtaggct 240
 agaaaatgtc tgtattttca tgaatggagc attaagaata attccgggtga ggccataggg 300
 aaagtctaaa acttttcaga aattatgtaa gcgattgtga ttagtagggt ggtagaaaata 360
 tagacagtaa aagcaattct gatgtggttt cagaggaaaa tgaaaaatat tagaaactga 420
 aggaaggggc atccttgcta taaactggca aagaacttgg ctgaaatgtc tccatgtcca 480
 agagatttat ggcagaaatg t 501

<210> 595
 <211> 383
 <212> DNA
 <213> Homo sapiens

<400> 595
 ctggtcacca tcatcccttt aatcaactca cacctgttta aagagtgttt ctgatttgac 60
 cttcatccct tagtttactg gcgttaaaaa aagtctcagc aattttcatt atttctcgtg 120
 ggtctcatta tcaaacccttt acttatttcg gcataatttc tctgggcttc ttctagtttc 180
 tgccttacia gcaatgctgt tctgtaaatt tattgaaacc tctggaacat ttcaccttta 240
 gagatggagg atggaaggat tgggtaccaga agagggctaa gatacgtttt ctgtcttgag 300
 ctgaaagcac agtctactct ccttcgtttt gtcgatgaga aagttgaggc cagagggggag 360
 gtgacatggt tagagtcacc cag 383

<210> 596
 <211> 266
 <212> DNA
 <213> Homo sapiens

<400> 596
 ccatggctag gtttatagat agttgggttg ttggggtaaa tgagtgaggc aggagtccga 60
 ggagggttagt tgtggcaata aaaatgatta aggatactag tataagagat caggttcgtc 120
 ctttagtggt gtgtatggct atcatattgt ttgagggttag tttgattagt cattgttggg 180
 tggtaattag tcggttggtg atgagatatt tggagggtgg gatcaataga gggggaaata 240
 gaatgatcag tactgcggcg ggtagg 266

<210> 597
 <211> 383
 <212> DNA
 <213> Homo sapiens

<220>

<223> n = A, T, C or G

ctggtcacca	tcatacccttt	aatcaactca	caccngttta	aagagtgttt	ctgatttgac	60
cttcataccct	tagtttactg	gcgtaaataaa	aagtctcagc	aattttcatt	attttctcgtg	120
ggtctcatta	tcaaacccttt	acttattttcg	gcatattttcc	tctgggcttc	ttctagtttc	180
tgccttataaa	gcaatgctgt	tctgtaaatt	tattgaaacc	tctggaacat	ttcaccttta	240
gagatggagg	atggaaggat	tggataccaga	agagggctaa	gatacgtttt	ctgtcttgag	300
ctgaaagcac	agtctactct	ccttcgtttt	gtcgaatgaga	aagttgaggc	cagagggggag	360
gtgacatgtt	tagagtcacc	cag				383

<213> Homo sapiens

[illegible]

<213> Homo sapiens

$\langle 223 \rangle$ n = A, T, C or G

ccaattgatt	tgatggtaag	ggagggatcg	ttgaccacgt	ctgttatgta	aaggatgcgt	60
agggatggga	gggcgatgag	gactaggatg	atggcgggca	ggatagttca	gacggtttct	120
atttcctgag	cgtctgagat	gttagtatta	gttagttttg	ttgtgagtgt	taggaaaagg	180
gcatacagga	ctaggaagca	nataaggaaa	atgactatga	gggcgtgatc	atgaaagggtg	240
ataagctcct	ctatgatagg	ggaagtagcg	tcttgtagac	ctacttgccg	tgca	294

<213> Homo sapiens

<400>	600						
agatattggg	ctgttaattg	tcagttcagt	gttttaatct	gacgcaggct	tatgcggagg	60	
agaatgtttt	catgttactt	atactaacat	tagttcttct	atagggtgat	agattggtcc	120	
aattgggtgt	gaggagttca	gttatatgtt	tgggattttt	taggtagtgg	gtgttgagct	180	
tgaacgcttt	cttaattggg	ggctgccttt	agg			213	

<210> 601

[illegible]

<210> 604
 <211> 468
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 3, 37, 199, 412, 460
 <223> n = A,T,C or G

<400> 604
 gcngttttga gtgagtttct taatcctgag ttctggnttg attgcactgt ggtctgagag 60
 atagtttggt ataatttctg ttcttttaca cttactgagg agagctttac ttccaagtat 120
 gtggtcgatt ttggaatagg tgtggtgctg tgctgaaaag aatgtatatt ctggtgattt 180
 ggggtggaga gttctgtana tgtctattag gtccgcttgg tgcagagttg agttcaattc 240
 ctggatagcc ttgttaactt tctgtctcgt tgatctgtct aatgttgaca gtgggggtgg 300
 aaagtctccc attattattg tgtgggagtc taagtctctt ttagagtcac taaggacttg 360
 ctttatgaat ctgggtgctc ctgcattggg tgcacatata ttagggacag cnagctcttc 420
 ttgttgaatt gatcccttta ccattatgta atggccttgn ctcttttg 468

<210> 605
 <211> 288
 <212> DNA
 <213> Homo sapiens

<400> 605
 ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctggttatgta aaggatgcgt 60
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
 atttcttgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
 gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaagggt 240
 ataagctctt ctatgatagg ggaagtagcg tcttgtagac ctacttgc 288

<210> 606
 <211> 572
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 5, 399, 483, 488, 532
 <223> n = A,T,C or G

<400> 606
 gaatnaaatg aatgaaatag aaaatataat tgagagcttc aacaacagac tataccaaat 60
 ggaggaaaaa atttctgaac ttgaagatag atcttttgaa ataacacaag cagtggcaaa 120
 aatgaattaa aaagaataag gaaagcctaa aggatttatg agatatcatt aagcaagcaa 180
 atattcatat tatgggcatt ccagatggaa aaaagaaggg taaagggtgag gaaatcatat 240
 ttaatgaaat aatagcagaa aatttccgga gtcttgggag agagatgagc atttaggtcc 300
 agggagctca aagaaccca aacagattca acccaaacag gtctctctctg gagcccaaca 360
 tagtcaaatt gtaataagta aaagacaaag aattccaana agcattcaag agaaaagagt 420
 caagtcataa ataagggaat ctccattagg ctaacagcag atatctcagc agaaagctta 480
 cangccanga gagaatggga tgatatattc aaagtacttg aaagcagggg tnggggaaac 540
 cctgctagct aaaaatatta tacccttgca aa 572

<210> 607
 <211> 178
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 37
 <223> n = A,T,C or G

<400> 607
 ctcgggggttaa tctcccagca agagggtcagg tcctggntgt gcgtcccagg gtgtcagtga 60
 aattggctgc tcccctgacc cagggcacct tcatgctgt tccacagcagg actactgtga 120
 ccaaggccag acctttcatc tttcaaaaaga ctttgactaa aaatgcttta aaaaagca 178

<210> 608
 <211> 416
 <212> DNA
 <213> Homo sapiens

<400> 608
 cctgtcttttg aatggatgaa ataggttaat aaagaacatc actgttttaa aactagaaca 60
 ctgaaaaatt ctaggaaagc ttattttccc ttatatTTTT atgggtacttt caacacttaa 120
 taacactatt tcaattaagt tttctcctag agtttatagt atatcagtag attcctttct 180
 gtggatgcaa taatatagaa tcttattcca aatcttactg gcaggttctc ttaaattctt 240
 caacggctgt catagtgtatt aacccaaaatt agttatgatt tctgcctatc tgtgtgagaa 300
 cttacagggg aaattgttct aaacctgagg aacatgaagt aactgtactg cacactccaa 360
 atgatgacag tcattttata tcaccttcaa ttacccaaca gcttttaata gtctgg 416

<210> 609
 <211> 648
 <212> DNA
 <213> Homo sapiens

<400> 609
 ctgatctctc agcagaaact cttcaaacca gaagagagtg ggggccaata ttcaacattc 60
 ttaaagaaaa taattttcaa cccagaattt catatccagc caaactaacc ttcacaagt 120
 aaggagaaat aaaatccttt acagacaagc aaatgctgag agattttatc accaccaggc 180
 ctaccctaaa agagttcctg aaggaagcac taaacatgga aaggaacaac cagtaccatc 240
 gaggctagga agaaaccgca tcaactaagg agcaaaataa ccagctaaca tcataatgac 300
 aggatcagat tcacacataa cgatattaac tttaaatgta aatggactaa atgctccaat 360
 taaaagacac agactggcaa attggataaa gagtcaagac ccatcagggt gctgtattca 420
 ggaaacccat ctcaccgtgc agagacacac ataggctcaa aataaagggc tggaggaaga 480
 tctaccaagc aaatggaaaa caaaaaaagg caggggttgc aatcctagtc tctgataaaa 540
 cagactttta accaacaagg atcagaagag acaaagaagg ccattacata atggtaaagg 600
 gatcaattca acaagaagag ctaactatcc taaatatata ttgcaccc 648

<210> 610
 <211> 310
 <212> DNA
 <213> Homo sapiens

<400> 610
 ccagctcttc tctgtcacat tcctatttct gactttctgcc tggttttcag tttctgcccc 60

```

accttggttt tttcccagct tgaacctaata agaactccag agtttggggg gagggcccagc 120
cctttgtttt ctgctcttga agcatattca cacataaaaa gttgtattct cttacacaaa 180
ctgttttgag gctcttaccg tagtcgaagg tatcttagat cttccttagt gatctcatta 240
agaatatccg aaagtgtata accctcttca acaatctgaa acaaagatca gatccttaag 300
agctgagcag                                     310

```

```

<210> 611
<211> 254
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 39
<223> n = A,T,C or G

```

```

<400> 611
ctgtttttac atctaaagca atagactaga actgaattnt cttctacata gtaaaatcac 60
aattgtggaa ttacaggaat tctggtgata ttaagggtgaa acaacaaaaac acaaaaggcc 120
ctattttaac agttgatgtg acagtaagtt ttaatagaac ctgtaacttc attttggaag 180
tgcttctcca ccaaataagg cctttttccc ctatttaagg agccagatgg attgaaagat 240
gtggaaatag gcag                                     254

```

```

<210> 612
<211> 225
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 40
<223> n = A,T,C or G

```

```

<400> 612
ctgactatat catgtcacca tcatagccaa tacaacattn ttgccatact tcctaaaaaac 60
cttttgcgat acactgatca tgctacttat cagcactttc taacatcctg accaaacaga 120
cacccacacc tcttatagag tacactgtga gagaataaca tggacttgat atggcatcac 180
acttgtttta aagcaaaaaa aaaagaaaaa gaaaagaaaa aaaaa                                     225

```

```

<210> 613
<211> 471
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 226, 236, 243, 281, 324, 365, 370, 373, 376, 383, 400, 412,
429, 431, 458
<223> n = A,T,C or G

```

```

<400> 613
ccatcagact tcttgggtgc ctggctatat tcaatgtgaa gtaaaaaata tcccaagtct 60
tacacaaaaa tagaggctct gacttagaag tatgctttta gctttctttt taaataagac 120
attctggaag aaaaaaaaaa aaaaaggaaa gaaatcaag ttgaaacac agttaacact 180

```



```

tatttttgga agaaagcaac caaaatctaa aaagcataaa ctatgngtcc aaatgnaaaa 240
ggnattacag aacaaactgc aagaggggaa aattaaagcc nactgaacg aaaaaatata 300
gtatgtctaa cattttggaa ttgnaattta aaccctaagg gcaaaagctg aaaaatcatg 360
cttanacctn ggncngnacc acnctaagg cgaattccan cacactggcg gncgttacta 420
gtggatccna nctcgtgacc aagcttggcg taatcctngg catagctgtt t 471

```

```

<210> 614
<211> 421
<212> DNA
<213> Homo sapiens

```

```

<400> 614
gttattttttt agaatggctc tcccatcttg agtatgtgtg atgtttcctc atgtatgaat 60
gaagcatata catctttgtc agaagtatcc cagaagcaat tctgtactct cctcattatg 120
ttctattggg tgggccatgg tttttgattt gtctcattac tgatgatggg tacttttatt 180
atttgataaa ggttgatat aacttatcta ttatggcata atacattagc taaaaccttg 240
gcggtgtaaa acagcagata cttacgtttc tcataggaat ggctctattg agtacctctg 300
tctcaaggct tctcaagagt ttgtagctac cttgttggct ggggttgcg tctgacctaa 360
aggcttagtt agggggtggt agaaatcttc catatgttct ttgctacgtg gacctcacag 420
g 421

```

```

<210> 615
<211> 242
<212> DNA
<213> Homo sapiens

```

```

<400> 615
cctcctatatt attctagcca cctctagcct agccgtttac tcaatcctct gatcaggatg 60
agcatcaaac tcaaactacg ccctgatcgg cgcaactgga gcagtagccc aaacaatctc 120
atatgaagtc accctagcca tcattctact atcaacatta ctaataagtg gctcctttaa 180
cctctccacc cttatcacia cacaagaaca cctctgatta ctctgccaat catgaccctt 240
gg 242

```

```

<210> 616
<211> 392
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 79, 91, 105, 110, 128, 141, 149, 163, 172, 178, 193, 206,
215, 264, 270, 276, 284, 297, 305, 315, 335, 342, 350, 351,
359, 373, 392
<223> n = A,T,C or G

```

```

<400> 616
cctaatttgt agattgtgaa agcagctttt agtttaactt atttacagac cccttataat 60
taccatgttt tttttttnt tcctaaatct nttggttcag cttngaatn ttacgtgccc 120
gtaaagtnng gatgttgaat nggcccttnt ttgttctggc agngagtcaa gngtccanca 180
ttttttcata agngtttttt aaaatngttc tccancattt tatggctcct ccctcccatg 240
tcctcaaacc cagcaaaagc gtanaggcan aattanagga cccncccgga cggccgntaa 300
gggcnaattc cagcnaactg gcggccgtta ctagnggatc cnagctcggn nccaagctng 360
gcgtaatcat ggncatagct gtttctctgtg an 392

```

<210> 617
 <211> 215
 <212> DNA
 <213> Homo sapiens

<400> 617
 cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
 gctgttcctc tttggactac cagttaaatt tacaagggga tttagagggt tctgtgggca 120
 aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtagg 180
 ttgtcgctc tacctataaa tcttcccact atttt 215

<210> 618
 <211> 433
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 8
 <223> n = A,T,C or G

<400> 618
 cttttgtntg cctgttttgt ggactggctg gctctgttag aactctgtcc aaaaagtgca 60
 tggaatataa cttgtaaagc ttcccacaat tgacaatata tatgcatgtg tttaaaccaa 120
 atccagaaaag cttaaacaat agagctgcat aatagtattt attaaagaat cacaactgta 180
 aacatgagaa taacttaagg attctagttt agttttttgt aattgcaaat tatatttttg 240
 ctgctgatat attagaataa tttttaaatg tcatcttgaa atagaaatat gtattttaag 300
 cactcacgca aaggtaaagt aacacgtttt aaatgtgtgt gttgctaatt ttttccataa 360
 gaattgtaaa cattgaactg aacaaattac ccataatgga tttggttaat gacttatgag 420
 caagctgggt tgg 433

<210> 619
 <211> 259
 <212> DNA
 <213> Homo sapiens

<400> 619
 ctgcagtgtc cttttttata tcatgctagt gttgagacat acttgactaa cttgggaaca 60
 gttcgatata ttgacaaccg tcaacttaag aaaatcaaca gcttttggcc ccagcgtcca 120
 agtgaacttt tcatggagtg cagaatctca aatggacaaa atactttgtc tttttaata 180
 ctgaaaattt aattattagt actatgactg aaagattctt catggctaaa aagctctgca 240
 tcaaactcaa ttcaggagg 259

<210> 620
 <211> 393
 <212> DNA
 <213> Homo sapiens

<400> 620
 ccaccaaagc cacacggaga ttctgtcagg cgctgagaca ccacagcctt ttcaatctta 60
 gggaaagaaa tcaagtcata taaattaata tcaacaggta aggtcattga gcaattgtct 120
 ttcaactgtc taagacttta tcaacttaaga tcataaacac agaagcaggt cataaaaaata 180
 gcttttctta aggttttagga gaattttagt gggcacttac ttgataatct gaattttcta 240
 gtcagaagtt taaataccac cttttaaaaa cataaaattt aatttgaac aagttatttaa 300

```

caaagcagta ttgtcgaaag ttttaagctt tctcccaata atttaattac attaattaaa 360
tttttaccat tctaattggtt acaaagtaac cag 393

```

```

<210> 621
<211> 563
<212> DNA
<213> Homo sapiens

```

```

<400> 621
ctgacaatga taaaattatc tctatatggg caaacgcgtg ctctttgtcg aagaagaaaag 60
cttcagcttc atgttccagg tgagttaatt aggcaatgta tgaatgctaa tatctctttc 120
acataatttg cttaagatct gtcttaggac tctcgtctgg cccatatggt tttccaaggg 180
cagaagggcc tctttttgat gagaggcagt tttcagtaac tcttaaagtg ataacagcaa 240
aggagaggag agagaagagt aagacaaatc gaaacattct tcaattgctt cttggccttt 300
tggttaagct caagctcaaa acagggtctt aaggagaaaa tacatcacia agaaaaggat 360
gttttatttc ttaccttgct ctagaataat ttccataaac tctattggct taattctgta 420
aacttgacca atatcagagt gcttcctacc aaggagggtg gctgatgagc gtgaccatgg 480
tacatcctag aagaatgtgt gatgaagaag ctttcaccgt gtaaaagagt tgaaaattat 540
tcaaggagac attatggtct tgg 563

```

```

<210> 622
<211> 505
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 194, 436, 484
<223> n = A,T,C or G

```

```

<400> 622
tcttaagtgt gtttaataga taaagtaaac tttcctagtc aagggttaga tttttattat 60
ctcttggtgt ccgactttct acttttcaac tttgaacttc aaaaaaacat tactttgctt 120
atccttttga ctttgatcag gttgtttaga attgtagatc aaaccattct ttgatcattt 180
tattgtttta atgnttagtt ccatttataa tttttatagc caactctcgg ttattttctgt 240
cttttgagat tgcaattcag aagctgtatg tcgaagtaat ttatgagttg actttttatac 300
ttaggcttct ttaaatacta atagtcaaga attctagagc atctaataaa aaattaactt 360
tcagatcatt gggaatctgt cctcatttaa atatgtgtaa atgcatttcc acagcaaatt 420
gcttcatgcc ctttgnctat aaggaaatta ttcctttagc ctaatacatt tttcattttg 480
cagnccaaat cttttttgag aaagg 505

```

```

<210> 623
<211> 489
<212> DNA
<213> Homo sapiens

```

```

<400> 623
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
gctgttcctc tttagactaa cagttaaatt tacaagggga ttttagagggt tctgtgggca 120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt 180
ttgtcgcttc tacctataaa tcttccactc attttgctac atagacgggt gtgctctttt 240
agctgttctt aggtagctcg tctggtttct ggggtcttag ctttggctct ccttgcaaag 300
ttattttctag ttaattcatt atgcagaagg tatagggggt agtccttgct atattatgct 360
tggttataat ttttcatctt tcccttgctg tactatatct attgcgccag gtttcaattt 420

```

F062754.102901

ctatcgctat actttatattg ggtaaattggt ttggctaagg ttgtctggta gtaagggtgga 480
gtggggtttg 489

<210> 624
<211> 233
<212> DNA
<213> Homo sapiens

<400> 624
gttggggaac agctaaatag gttgttggtt atttggttaa aaaatagtag ggggatgatg 60
ctaataatta ggctgtgggt ggttgtgttg attcaaatta tgtgtttttt ggagagtcac 120
gtcagtggta gtaataataat tgttgggacg attagtttta gcattggagt aggttttaggt 180
tatgtacgta gtctaggcca tatgtgttgg agattgagac tagtagggct agg 233

<210> 625
<211> 459
<212> DNA
<213> Homo sapiens

<400> 625
ttcgagaaca tttttaataa ataatgtgac aaaattactt ttctgattat tggattttca 60
gtatgcaaaa ttatggctaa aaataagggg cttcttacat gaacataatg aaaacattaa 120
tcacatggat tgttccctta gtactgcacg ccttttctat ggaacttttt caaattatct 180
aaatgaacaa gtttggtttt ggtgaacacc agcctttttt tttgtgggtc agttttgttt 240
ggctttgtct tccactgggg tcagacctga tacttatcta tctatgaata aatgtacatt 300
tttttcttca aatagcacca attataaaat caatgatatt cataaaatga caaaaaagga 360
tcatagaaat ctactagtca gagggcatca tttgtcaatt gaaagcaagt aatgcctcta 420
ttagagattt taaggaaatc ttgtaggttt cgacattgg 459

<210> 626
<211> 458
<212> DNA
<213> Homo sapiens

<400> 626
cctgatgatt gttttaaaaca gtagaaaggg ttcagctaag aactacagtc cactctcagc 60
cctgtcatgt actataggac aagtcttcat tcacaacaaa tggatagcaa caccaatctc 120
gtaacactgg gaaaactgca tacaatattt agaaggaaca ctaatacagc agaactctgca 180
cacaacggag tcaaagatct gaggccaaat cctactacac tttacgactt tgagttgggtc 240
acttttctga accttagctt ctccatcagt gtaaaactga tgtaaaataa tataaagcta 300
tatgaaagct gatgtgattt acttgtgaaa tagtatgtgc aaaaggactt tgtaaaatgt 360
aaagcactat gctggttatt gtgatatctg agatattttt aaagttgcaa ttcaattcaa 420
caagcattca tttagagtca tgtgcaaggc actgtgct 458

<210> 627
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 5, 6
<223> n = A,T,C or G

<400> 627
 ccatnngaac gcactcagga ggtgggtttgt tctggatgca gaaaccagag atctagtttc 60
 tatccacaca gacgggaatg aacagctctc tgtgatgcg tactcaatag atggtacctt 120
 cctggctgta ggatctcatg acaactttat ttacctctat gtagtctctg aaaatggaag 180
 aaaatatagc agatatggaa ggtgcactgg acattccagc tacatcacac accttgactg 240
 gtcccagac aacaagtata taatgtctaa ctcgaggagac tatgaaatat tgtactggga 300
 cattccaaat ggctgcaaac taatcaggaa tcgatcggat tgtaaggaca tttgattgga 360
 ccgacatata cctgtgggct aggacttcca gga 393

<210> 628
 <211> 233
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 35, 36, 192
 <223> n = A,T,C or G

<400> 628
 ctggatttat aaaatagttg aatgacaaaa gaagnntggt ttgacagtaa aaaaaagaca 60
 ttatggacaa aatatgcaaa atgtgcaaa aaaaaataaa tttgcattag aaaggtgggc 120
 atttgatctc tgagccctgt gccatgtaac attgccatgt tctttcactg ttgtttgaat 180
 gttgtacccc ancccttgac tctggactta aggcaagcta tgactggctt tgg 233

<210> 629
 <211> 450
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 3, 11, 240
 <223> n = A,T,C or G

<400> 629
 ccnggacaat ntaggcagga gaaggaaata aagggtattc aattaggaaa agaggaagtc 60
 aaattgtccc tgtttgcaga tgacatgatt gtatatctag aaaaccccat tgccctcagcc 120
 caaaatctcc ttaagctgat aagcaactcc agcaaagtcg caggatacaa aatcaatgga 180
 cacaaatcac aaacattctt atacaccaat aacagacaaa cagaggccaa atcacgagtn 240
 gaactctatt ccaattgctt tcaagaaaat taaaatacct agggatccaa cttacaaggg 300
 acatgaagga cctcttcaag gagaaactac aaaccactgc tcaatgaaat aaaagaggat 360
 acaaagaaat ggaagaacat tccatgctca ttggtagctt gatggggatg gcattgaatc 420
 tataaattac cttgggcagt atggacctca 450

<210> 630
 <211> 486
 <212> DNA
 <213> Homo sapiens

<400> 630
 cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
 gctgttcctc tttggactaa cagttaaatt tacaagggga ttttagagggt tctgtgggca 120
 aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt 180

```
<210> 631
<211> 211
<212> DNA
<213> Homo sapiens
```

```
<210> 632
<211> 293
<212> DNA
<213> Homo sapiens
```

```

<400> 632
cagcgcaagt aggtctacaa gacgctactt cccctatcat agaagagctt atcacctttc 60
atgatcacgc cctcatagtc atttttcctt atctgcttcc tagtcctgta tgccttttc 120
ctaacactca caacaaaaact aactaatact aacatctcag acgctcagga aatagaaacc 180
gtctgaacta ngctgcccgc catcatccta gtctcatcgc cctcccac cctacgcac 240
ctttacataa cagacgaggt cnacgatccc tcccttacca tcaaataaat tgg 293

```

```
<220>  
<221> misc_feature  
<222> 1, 194  
<223> n = A,T,C or G
```

$$\begin{array}{ll} \langle 210 \rangle & 634 \\ \langle 211 \rangle & 491 \end{array}$$

<212> DNA
<213> Homo sapiens

<400> 634
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
gctgttcctc ttgggactaa cagttaaatt tgcaagggga ttttagagggt tctgtgggca 120
aatttaaagt tgaactaaga ttctatcttg gacaaccagg tatcaccagg ctcggtaggt 180
ttgtcgctc tacctataaa tcttccact attttgctac atagacgggt gtgctctttt 240
agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggtctt ccttgcaaag 300
ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360
tggttataat ttttcatctt tcccttgcg tactatatct attgcgccag gtttcaattt 420
ctatcgcta tactttattt gggtaaattg tttggctaag gttgtctggt agtaagggtg 480
agtgggtttg g 491

<210> 635
<211> 270
<212> DNA
<213> Homo sapiens

<400> 635
ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaagggtg 240
ataagctctt ctatgatagg ggaagtagcg 270

<210> 636
<211> 383
<212> DNA
<213> Homo sapiens

<400> 636
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
gctgttcctc ttgggactaa cagttaaatt tacaagggga ttttagagggt tctgtgggca 120
aatttaaagt tgaactaaga ttctatcttg gacaaccagg tatcaccagg ctcggtaggt 180
ttgtcgctc tacctataaa tcttccact attttgctac atagacgggt gtgctctttt 240
agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggtctt ccttgcaaag 300
ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360
tggttataat ttttcatctt tcc 383

<210> 637
<211> 537
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 26, 516
<223> n = A,T,C or G

<400> 637
ttttaatcct ggggtatata ggcagnactt taaattgcaa agtcttccgg gcctattttc 60
ctctacattt ttgtaattaa ctctgggggc ttacttggtt tggcagtact gaaatcaaag 120
gagctggttc ttcttttctc ccaattattt tcatatgaaa gcacctacaa ttagcctggt 180

```

agtcctattc agatacatca aatatcagtg aatgctttac tattcgcac ttttaagcatc 240
tttgttttac ataaaattag agtatgaaaa ccagtgttca attttttatac ttgttgagct 300
tgtaaaatgc cagcaattta aaactaggac ttttccccc ataagccaag gaggtagaat 360
tactaataca aggggttaaag aaggtagatt ttgttttcaa tttttgggta atattagaaa 420
gattcttccc acagggaaga actagcaagt gtcccaattt tttccaaacg ttggggaggg 480
gaaaattcac tgtatcatga aaccctaagg gtttngtgc acttctgct ttttagg 537

```

```

<210> 638
<211> 445
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 15
<223> n = A,T,C or G

```

```

<400> 638
ccagcagaac acagnagtga tttggtcccc tttgttcccc agtggggtat ctatccttgt 60
gcagggcaca agcctacatg gtggctctgg tcatatcatt agaaaataga cagaaatggg 120
ctgcacacca gaatgaatga attgaattga aaggaggagg tgatgggtga aaaaaaaca 180
agtcaattca tttagactgg tagaaccaga accactgtgt agtacatcca aacggttaaa 240
attccctgga agatgttaca taatcctatc atggtgttta tttatggaaa tctattttta 300
aaattttatg taatactgca cagtctgttt gcatgatgcc ttgtacgtag tagcaactca 360
gtaaatactt tttgaatgaa ctagtatagt attttaatta gctagtcttc gtgtactggt 420
acaaaagaac agtgtcatct tacag 445

```

```

<210> 639
<211> 584
<212> DNA
<213> Homo sapiens

```

```

<400> 639
gcttgagtat tctatagtgt cacctaaata gcttggcgta atcatggtca tagctgtttc 60
ctgtgtgaaa ttgttatccg ctcacaattc cacacaacat acgagccgga agcataaagt 120
gtaaagcctg ggggtgcctaa tgagtgaagt aactcacatt aattgcgttg cgctcactgc 180
ccgctttcca gtgcggaaac ctgtcgtgcc agctgcatta atgaatcggc caacgcgcgg 240
ggagaggcgg tttgcgtatt gggcgctctt ccgcttcctc gctcactgac tcgctgcgct 300
cggtcgttcg gctgcggcga gcggtatcag ctcactcaaa ggcggttaata cggttatcca 360
cagaatcagg ggataacgca ggaaagaaca tgtgagcaaa aggccagcaa aaggccagga 420
accgtaaaaa ggccgcgttg ctggcggttt tccataggct ccgccccctt gacgagcatc 480
acaaaaatcg acgctcaagt caagagggtg cgaaaccgga caggactata aagataccag 540
gcgtttcccc ctggaagctc cctcgtgcgc tctcctgttc cgac 584

```

```

<210> 640
<211> 404
<212> DNA
<213> Homo sapiens

```

```

<400> 640
ccataggaac gcactcaggc aggtgggttg ttctggatgc agaaaccaga gatctagttt 60
ctatccacac agacgggaat gaacagctct ctgtgatgcg ctactcaata gatggtacct 120
tcttggtgtg aggatctcat gacaacttta tttacctcta tgtagtctct gaaaatggaa 180
gaaaaatatg gagatatgga aggtgcactg gacattccag ctacatcaca caccttgact 240

```



```

gggtccccaga caacaagtat ataatgtcta actcggggaga ctatgaaata ttgtactggg 300
acattccaaa tggctgcaaa ctaatcagga atcgatcgga ttgtaaggac attgattgga 360
cgacatatac ctgtgtgcta ggatttcaag tatttggtgt ctgg 404

```

```

<210> 641
<211> 138
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 127
<223> n = A,T,C or G

```

```

<400> 641
ctgtgacagg aacattacct gaagtgcagg gtgggttacct gcacaaagtc ccatttccaa 60
aaattttctgt gtaattcacc agaaattttg gatggaataa ttagaaaaaa aaaaagaggt 120
taaaacntgt aactcaaa 138

```

```

<210> 642
<211> 381
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 372
<223> n = A,T,C or G

```

```

<400> 642
ctgtagggtgg aattttttacc cagaaaagat aggccctaga agcctcattt cttttctcca 60
tgaaaaagga cagccctctg ctgcagcggt caacttgtgt gtttactgac agagtgaact 120
acagaaatag cttttcttcc taaaggggat tgttctacat tttgaagtta ttttttaata 180
aaattgaatt atgttggtga ttgtgcttcc taataggaaa tgcattattg gactgttttt 240
gtaacatcct gtttattgca aatagctagt atcgttcaaa aactgtataa aatacttttg 300
tacatattag caatgtctaa tttgtataca cttcagttaa atttcctaa aacttgaaag 360
gggacctgtg anaaattaaa a 381

```

```

<210> 643
<211> 403
<212> DNA
<213> Homo sapiens

```

```

<400> 643
ccttcctaaa aaatagtggg gagctggagg ctacttccgc cttcttagcg tctgggtcaga 60
gagctgatgg atatcccat tgggtcccgac aagatgacat agatttgcaa aaagatgatg 120
aggataccag agaggcattg gtcaaaaaat ttgggtgctca gaatgtagct cggaggattg 180
aatttcgaaa gaaataattg gcaagataat gagaaaagaa aaaagtcatt gtaggtgagg 240
tggttaaaaa aaattgtgac caatgaactt tagagagttc ttgcattgga actggcactt 300
attttctgac catcgctgct gttgctctgt gagtcctaga tttttgtagc caagcagagt 360
tgtagagggg gataaaaaga aaagaaattg gatgtattta cag 403

```

```

<210> 644
<211> 688

```

100754090

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 653, 666
<223> n = A,T,C or G

<400> 644
cctattttatt tgttttggcc ctggatcttt cctaatacaca attatatttc tttatttttg 60
cctttgagca gtttcattta tctttgtggg cagggaagat taaatatgaa attcagtgcca 120
gtcatttttg tactgggttag cttaggtttg aggcaagtaa aaatttttga ttaaaattag 180
tttcttaaaa ttatgccctt gctttaccaaa ataatacaaat tggctaataaa ataagggtat 240
gtaactttgc attttgaaga acaaaccaat aatttttcat gagccctact cgatcttctt 300
taaagaagac cttcctaaga gacaattagg gatgagtttg attaattggga aatagctcta 360
ggtagatta ttttaaattc catacaccaa gtgatttaac cacagtggca gtggcagctt 420
ctgaaccgtc aagtatgaac atcacttaaa aattaaaaga tgcttaataa taaactctta 480
attttcatta agccaatctg taattcagaa gaaaagcata tgtctgccat gggactattg 540
cagtgcgtct ccatcagtggt taacacagga gagatatgtt attttatgtg tatgtcttag 600
tttgggatat gtggtagtaa gaacatgtca agagtgcctt tcttcaaacc tgnacagctca 660
actgangaaa gacaggtact tccattgc 688

<210> 645
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 460
<223> n = A,T,C or G

<400> 645
ccaaatgtgt ctccagccca cacttccagg tggcagagcg agctctctat tactggaata 60
atgaatacat catgagttta atcagtgaca acgcagcgaa gattctgccc atcatgtttc 120
cttccttgta ccgcaactca aagacccatt ggaacaagac aatacatggc ttgatataca 180
acgccctgaa gctcttcatg gagatgaacc aaaagctatt tgatgactgt acacaacagt 240
tcaaagcaga gaaactaaaa gagaagctaa aaatgaaaga acgggaagaa gcatgggtta 300
aaatagaaaa tctagccaaa gccaatcccc aggtactaaa aaagagaata acatgaaaac 360
gcccagggtt acttgaatgt ttttataaga taggaatata tgtcttcacc atgggggggg 420
gtctcggatt tcactaacgt tgtatatgaa aatgggtgcn ataaaaagta cttttaaact 480
ttgt 484

<210> 646
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 413
<223> n = A,T,C or G

<400> 646

```

gggtcgcgtt gaacaacttg gttcaagatg gtgggggcat ttttagagcg gcaataattg 60
aaaaaaaaag cgaactctgc cttggagagg tagatgataa gaaataaaaa ggtgtttata 120
actattttgt attataaagt gggccttaga gataggaaga agaattgatg attccttttg 180
gatcaatcag aaaggaaaca cgaaagaaaa gtcaggaagg tagagagaga aaaagggagg 240
gaaggagaaa gaatgggaat aaaataagga ggtaagagat actatttttg ctgagcaacc 300
agtgtgtttc aggatgatac aaagaaaaat atagaataga aataagtga ggcttggaat 360
cagctacaaa tcctaaagat ggggtgtgtg tggatgtgtg tgtgtgtgtg tgnacaccat 420
tgtgtgtttg taaaatgtgt atgtccc                                     447

```

```

<210> 647
<211> 388
<212> DNA
<213> Homo sapiens

```

```

<400> 647
gaaggtgata taaaatgact gtcattcattt ggagtgtgca gtacagttac ttcattgttc 60
tcaggttttag aacaatttcc cctgcaagtt ctcacacaga taggcagaaa tcataactaa 120
ttttggttaa tcactatggc agccgttgaa gaatttaaga gaacctgcca gtaagatttg 180
gaataagatt ctatattatt gcatccacag aaaagaatgt actgatatac tataaactct 240
aggagaaaaac ttaattgaaa tagtggttatt aagtgttgaa agtaccataa aaatataagg 300
gaaaataagc tttcctagaa tttttcagtg ttctagtttt taaacagtga tgttttttat 360
taacctattt catccattca aagacagg                                     388

```

```

<210> 648
<211> 632
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 12, 24, 33, 483, 539, 626, 629, 630
<223> n = A,T,C or G

```

```

<400> 648
cctggctggg cntttgacct gcgnttttaa atnactcaca gaggggtggga caggaggaag 60
agtgaaggaa aaggtcaaac ctgttttaag ggcaacctgc ctttgttctg aattggtctt 120
aagaacatta ccagctccag gtttaaattg ttcagtttca tgcagttcca atagctgatc 180
attgttgaga tgaggacaaa atcctttgtc ctcactagtt tgctttacat ttttgaaaag 240
tattattttt gtccaagtgc ttatcaacta aacctgtgtg taggtaagaa tggaatttat 300
taagtgaatc agtgtgaccc ttcttgtcat aagattatct taaagctgaa gccaaaatat 360
gcttcaaaag aagaggactt tattgttcat tgtagtcat acattcaaag catctgaact 420
gtagtttcta tagcaagcca attacatcca taagtggaga aggaaataga tagatgtcaa 480
agnatgattg gtggagggag caaggttgaa gataatctgg gggtgaaatt ttctagttnt 540
cattccgtac attttttagt agacatcaga tttgaaatat taatgttacc tcctcaatgg 600
ggtggtatca gacctgcccg ggcggnccgnn tc                                     632

```

```

<210> 649
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1, 15

```

<223> n = A,T,C or G

<400> 649
 nggtgaagat agaanaaata taagcgaaat tggataaaat agcactgaaa aaatgaggaa 60
 attattggta accaatttat tttaaaagcc catcaattta atttctgggtg gtgcagaagt 120
 tagaaggtaa agcttgagaa gatgagggtg tttacgtaga ccagaaccaa tttagaagaa 180
 tacttgaagc tagaagggga agttgggttaa aaatcacatc aaaaagctac taaaaggact 240
 ggtgtaattt aaaaaaaact aaggcagaag gctttggaag agttagaaga atttggaagg 300

<210> 650

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 4, 8, 26, 255

<223> n = A,T,C or G

<400> 650
 ngtnctgnta aacagaaggg tacaangccc ttctggcctt aagcagtcac aggaatgtga 60
 cagacattcc tcttagggag cgcctcctcc tagggtttcc tcatctgtct cacactgagt 120
 ggatgtaatg ctattttaat cctgctgtgg cccccaatac tagtacttgt ccataccttc 180
 ttgcattttt agcgtctgct ctgtgggggt gttaggccct ggcactccca ggaactagt 240
 ctaaagctgc atctntctct cccctctagg gatcgataaa gtttactgc agaaagtctc 300
 cactgcggtg tgctgacatc tgccctgaac cttcacccta cagcattaca ggctttaatc 360
 agattctgct ggaaagacac aggctgatcc acgtgacctc ttctgccttc actgggctgg 420
 ggtgatcctt ggtgcctttg tttccacaag gccttttccct gcccctgccc ttgccaaaga 480
 catttaatca gcacacag

<210> 651

<211> 654

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 149, 268, 375, 508, 578, 595, 615

<223> n = A,T,C or G

<400> 651
 ctgagggtcc ccaggtttct aaagctctca ggacgagaaa gtaggtccca agataaggag 60
 cctaaagggc ttttttcttt ctgtgtattc cttcttgccc tccaacatgg gtacagtcac 120
 aagagcatgt aacagagaa aaggactana cctaccattt tctggataaa gaattggaaa 180
 gaggatccac aggtaaccaa aaagtaccag ggaaatggca gagaaggaaa acctcaggag 240
 accaacctca taagtggat ttattagncc ctgggctcaa atccaaattg tacatgaata 300
 tgtctggtcc tagatagggt accgaagact ttgaaagtga attttggtat atcattgccc 360
 agattccaga ctggntattg tgtgacacaa catacaggat atatctgaat agtgctcaga 420
 agagtttgaa aatgcaaatg atattaaaa aaagatgaaa aagagaaagc tggtcagaac 480
 ttgtggacat aacccttctg gatctgtngc ctgattaaaa aatagttgat attctcgaat 540
 gaattaaaac aagatttaga gactgagcat ggtagctnat tcttgtaatc caacnctttg 600
 ggagggcaag gcaanagaat tgcttgccgc caggagtttt gagaccagct tggg 654

<210> 652
 <211> 293
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 193
 <223> n = A,T,C or G

<400> 652
 ngctctgttgc actgagggtga ctaaggatac attttgagga agtagctcca agaacatttc 60
 cattttcact gtgccttcac atacatctaa tggaaatgaa cagcaccctt catccatcca 120
 cggaagcgat taagaaaagg gtgggatgga aaaattaacc caacaatatt agatcaatac 180
 gtagtattta agngtccata atgtgccagg ctgaagatgc acgggaaaac cacactagcc 240
 ggtctgtcaa gggcttgaga ataccataaa caagaaaaca gacgaaccaa ttt 293

<210> 653
 <211> 294
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1
 <223> n = A,T,C or G

<400> 653
 ngtcaccac tgcagcccta catacagttg aaaaaaaatt ccattctgtt aacatttgtt 60
 ttataagttt tcacgcaata cacaaaaaac ccctctgcac ttcttgtaaa gaacaaaaaa 120
 gatacacac agttaagcgt aaagatcaca ggcaatagca ttcaaacatg gatgtgggta 180
 gagaaaggag tacctggcat gagtacctgc ttagtttgac tgaatccttg atttttaatt 240
 tggcttttca tgggccgctc acaacaccaa cgctgtgtga ggtatggtag tcag 294

<210> 654
 <211> 250
 <212> DNA
 <213> Homo sapiens

<400> 654
 ctgtccttga acaagtatca atgtgtttat gaaaggaaga tctaaatcag acaggagtgtg 60
 gtctacatag tagtaatcca ttgttggaat ggaacccttg ctatagtagt gacaaagtga 120
 aaggaaattt aggaggcata ggccatttca ggcagcataa gtaatctcct gtcctttggc 180
 agaagctcct ttagattggg atagattcca aataaagaat ctagaaatag gagaagattt 240
 aattatgagg 250

<210> 655
 <211> 494
 <212> DNA
 <213> Homo sapiens

<400> 655
 ccattataat ttataacac cattaccctt taaattctac cgattataag cagcgtaaaa 60
 gtaactatat aaagcaaca tcgcaaagga actctgcagg agctcttaatt tcctttatgt 120

```

agctatcata aaattcactt tcctgaagac atttactctc attcacttcc aaactccaaa 180
cctttttctg gtagcaccac ttttgttttt aatagaaaga tgagttcata tctgtacatc 240
tctccaaagc tctaaggaat gagaaaagga tcctagtata ttgaaattac tgatgtttta 300
tacctctgcc ttttactaa aagccattta atatttttaa agtcaaaact tgacatacag 360
gtattttataa ggaatctcca tgactctgaa ggaatgaaat tgatgtaggt agctttggct 420
atgtaaagac atagtagagg acaattactt aaagaagagt tttcttttga ggatttgtag 480
atttgactaa gcag 494

```

<210> 656

<211> 477

<212> DNA

<213> Homo sapiens

<400> 656

```

cgcgttactg tacatattgc tagcaggaga caactggaaa tactaaacaa atactggaat 60
tcacattaca gacagacgaa accaacaatgg atgccacaca taacttcctt tgtagtttca 120
cagagggcct atttgtggtt gctcagggtgg ggtcatacat tgcttgacaga aatggcctga 180
tcatagctct atgaaacaat gaattcggaa tgaaatctta ccatgacacc tctctgtagg 240
aaagaaatgt tgcttcacgt gtgctaagtt gagataataa tatttcacat atttatatac 300
agagaatcac tctcaaattt aacccaagat aagcaatagg atttgggggt gacttgtaca 360
catttctaac aacacttttc ttttttctag aggtcactct caaacactga tatatcacta 420
tagtttgagt gtagggattc agtaaatcaaa gggtgttatt gcaaaagagc caggcag 477

```

<210> 657

<211> 576

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 13

<223> n = A,T,C or G

<400> 657

```

cctctacctg tanatcacta tttttctaaa gacaatttgg tgttttgaag ataaatgtca 60
ttagtctatg ataatagcat cataggacaa ttagccattt tagacttgac catattttct 120
cttttttagc tatagccatc ttgatattta ggtgggagac tactccaatg gagcaacagt 180
ttcattttac atgattggat ttagaaattt acaaatttta aactcataag aattctaaat 240
aatttgaaaa tggaacatt tgaccacag tctagcagca taaatacatt tataaaatac 300
ttcattgttg atcttaggtc attgatttaa aacagaattt ggtgactatg ggcagggtga 360
ggggggccagt gaggaaggta taaaagagaa atctttatga attgtgttca gattgatttt 420
gtataaacat aatatattca tggttgatc tcttatttat aatacccaac taacatgaag 480
gtggtccaag ggaaggatca atatttttaa taacatattt gcttaaaata tcatacagtg 540
gctgcttcat aaaaaatctt ataaactttt attacc 576

```

<210> 658

<211> 344

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 14

<223> n = A,T,C or G

```

<400> 658
cctgaaaaga aagntgctct tatggactct tgcattgtta gactatgtct tcacatcatg 60
gtgcaaatca catgtaccca atgactccgg ctttgacaca acaccttacc atcatcatgc 120
catgatggct tccacaaagc attaaacctg gtaaccagag attactgggt gctccagcgt 180
tgtagatgt tcatgaaatg tgaccacctc tcaatcacct ttgagggcta aagagtagca 240
catcaaaagg actccaaaat cccataccca actcttaaga gatttgcctt ggtacttcag 300
aaagaatttt catgagtgtt cttaattggc tggaaaagca ccag 344

```

```

<210> 659
<211> 230
<212> DNA
<213> Homo sapiens

```

```

<400> 659
ctgctttccc tgctaaacag ttccagagca aaagcagcaa aaagaaaata tgggagggat 60
atgggcaacg tatactcgaa cgtacgcaga gaagagagta cggttagctc taatatttct 120
cattgaactt ggtggtatgt gccttccttg catataaggc catagtgttt ttttgggagc 180
gctagaatat ccatccactt gacagtgacc acaaaatagg ctgtttccag 230

```

```

<210> 660
<211> 80
<212> DNA
<213> Homo sapiens

```

```

<400> 660
ctgggtccttg ttaaactcga tcaccacttt ggagagatcg actggagggt cctgggtgtt 60
ctgagggggcc tgggggacag 80

```

```

<210> 661
<211> 535
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 411, 413, 416, 422, 439, 470, 471, 479, 490, 492, 496, 501,
511
<223> n = A,T,C or G

```

```

<400> 661
ctgaaccata tctgattaac tcttttgtct ctgttattgg aacaaaaccg acgctatgcc 60
tgcagccgcc agactgcaac caaaaacaca gtttggggtc agaagacatt aaaaatcaca 120
ataaaatagg atgaatgttc taagtcacgc aactgaatca aggcaccttt ttttttcaaa 180
agcaaaaagt tgtttaacaa tattccagaa tagtagatac ttcaaaaacc agattacagt 240
atatatcatt ttgctgcaca ttttagtcta ttttctgtat acatagtcac acattcttta 300
ccctctccca acttatacat gctttatccc cccagtcatg tgctatgtag gtataaaaaa 360
ataaagtgtg atctaaacaa gtgattttaa aaaaaaaact aacgaatgcc ncnatnataa 420
cncatgaactt gtttccctnt tgaaggacat tggaaatgtt accgagggtt ntttacctng 480
gccgaaccn cncatangggc naattccagc ncactggggg ccgttactag gggat 535

```

```

<210> 662
<211> 257
<212> DNA

```

<213> Homo sapiens

<400> 662
 cctgactaaa gcacatatca cactccctac acttccatgt tttctctccc atgtggaccc 60
 tctgatgcat atcaagattc aagcgctgt tgtagccctt cccacagtcc tcacatttgt 120
 atggcttttc tacactgtga actttttctt gcactttaga gaatgaattc tgtacaatgt 180
 tcttcccatg ctgctcacat ttgagagggtg tttctctgct gtggcgctctc tgatgggtca 240
 gacgagttga ggaccag 257

<210> 663

<211> 516

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 36

<223> n = A,T,C or G

<400> 663
 ccaattatag gtattttatt ttttaaagat tagagngttc ttgaagctct ttctatttct 60
 ttgtcaatga actaaacatt ggcaaatatg tagggtttcc cacataagaa cattattaac 120
 atcaaaatag aaagctgggtg gtgaaataa tgattgggaa cacagagtct ctactcagcg 180
 ttctacttct gccataccat aactttgtga tctcacgaaa tatctctcca tgttctcatc 240
 cctatgtata gttctgtcat ttttcaataa gagctttttg ctttaattatg aagtactagt 300
 tactataacc attattttga gttcatgta aatcaagaac acatggactc cacttgcaaa 360
 acattgaaaa tgtagttagg gattgggggc aaaaagcaac attttaaaat gtgtaaagac 420
 aatgagtaag caacaaagtg tccaattttt taggcgaaaag ttgcatatgt caggaaaagg 480
 caggattaag taatagagaa tttgaatgat aactgg 516

<210> 664

<211> 212

<212> DNA

<213> Homo sapiens

<400> 664
 gtccgaggag gttagtgtgt gcaataaaaa tgattaagga tactagtata agagatcagg 60
 ttgcgtccttt agtggtgtgt atggctatca tttgttttga ggtaggtttg attagtcatt 120
 gttgggtggt aattagtcgg ttgttgatga gatatttgga ggtggggatc aatagagggg 180
 gaaatagaat gatcagtact gcggcgggta gg 212

<210> 665

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 11, 18, 24, 270, 271, 275, 277, 280, 281, 287, 291, 295,
 298, 319, 325, 335, 337, 341, 344, 356, 360, 371, 375, 376,
 388, 390, 401, 407

<223> n = A,T,C or G

<400> 665


```

atccaggggt ncccggtngc tgcngggaaa cctccagcct tgttcttcaa accactcagc 60
tcatgtgttt tgcgctgact agtactgaat aatacaacca ctcttattta atgttagtat 120
tatttatttg acaactcagt gtctaacagc ttgatatgca ggtccttgca tcctacattt 180
cttttaggaag ttacccattt gtaactttaa aaacaggaaa aatatcagtt ggcaaatgca 240
atcttttttt tttttaagct aaaggggggn naacngnaan naaaatnttt ntgangtngg 300
gtctataagc acccttgang ggatntgtta aaagngncat naanggggga ttctcntttt 360
gcaaaaaaat ntaannatca atttatanan ctttattttt nactttnt 408

```

<210> 666

<211> 635

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 7, 503, 540, 564, 577, 581, 616, 635

<223> n = A,T,C or G

<400> 666

```

ctgaagnaca agggtcaggc aaaaataaga tcacaatcac caatgaccag aatcgcttga 60
cacctgaaga aatcgaaagg atgggttaat atgctgagaa gtttgctgag gaagacaaaa 120
agctcaagga gcgcattgat actagaaatg agttggaaag ctatgcctat tctctaaaga 180
atcagattgg agataaagaa aagctgggag gtaaaccttc ctctgaagat aaggagacca 240
tggaaaaagc tgtagaagaa aagattgaat ggctggaaag ccaccaagat gctgacattg 300
aagacttcaa agctaagaag aaggaactgg aagaaattgt tcaaccaatt atcagcaaac 360
tctatggaag tgcaggccct cccccaactg gtgaagagga tacagcagaa aaagatgagt 420
tgtagacact gatctgctag tgctgtaata ttgtaaatac tggactcagg aacttttgtt 480
aggaaaaaat tgaaagaact tanctctcga atgtcattgg aatcttcacc tcacagtggg 540
gttgaaactg ctatagccta agcnggctgt ttactgnttt ncattagcag gtgctcacca 600
tgtctttggg gtgggngggg ggagaaagaa agaan 635

```

<210> 667

<211> 388

<212> DNA

<213> Homo sapiens

<400> 667

```

gaagggtgata taaaatgact gtcatcattt ggagtgtgca gtacagttac ttcattgttcc 60
tcagggttag aacaatttcc cctgtaagtt ctcacacaga taggcagaaa tcataactaa 120
ttttggttaa tcaactatggc agccgttgaa gaatttaaga gaacctgcca gtaagatttg 180
gaataagatt ctatattatt gcatccacag aaaagaatgt actgatatac tataaactct 240
aggagaaaaac ttaattgaaa tagtgttatt aagtgttgaa agtaccataa aaatataagg 300
gaaaataagc tttcctagaa tttttcagtg ttctagtttt taaacagtga tgttttttat 360
taacctattt catocattca aagacagg 388

```

<210> 668

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 417, 470, 484

<223> n = A,T,C or G

```
<210> 669
<211> 622
<212> DNA
<213> Homo sapiens
```

```
<210> 670
<211> 477
<212> DNA
<213> Homo sapiens
```

```
<210> 671
<211> 127
<212> DNA
<213> Homo sapiens
```

```

<400> 671
gtgtgtgtgt ctacttgggc gtgtttaacg tgtgcgtttg tgtctgcgtg tgcattgtgc 60
tgtgtgtgcg cgtgtatttc agtttggggt gccggatccc atatgattgc gtgcctgtgt 120
acctgag                                           127

```

<210> 672
 <211> 400
 <212> DNA
 <213> Homo sapiens

<400> 672
 ggggtctgcac agctatgtta acagcatcct tataccagga gtaggaggaa agacacgact 60
 ggaaaagcaa ttcaagctgg tcacacagtg taatgcaaaa tatgtggaat gtttcagtg 120
 tcagaaagag tgtaacaaag aaaagaacag aaactcttca gttgtgccat ctgagcgtgc 180
 tcgagtgggt cttgcacat tgcctggaat gaaaggaaca gattacatta atgcttctta 240
 tatcatgggc tattatagga gcaatgaatt tattataact cagcatcctc tgccacatac 300
 tacgaaagat ttctggcgaa tgatttggga tcataacgca cagatcattg tcatgctgcc 360
 agacaaccag agcttggcag aagatgagtt tgtgtactgg 400

<210> 673
 <211> 600
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 528, 590, 600
 <223> n = A,T,C or G

<400> 673
 ctggcgttgc tcattagtga atgtatgaca gcaggatgtg aggggatgcc caggagtcag 60
 tgtagcatt gtcactctgag atcactgcta ttaatatcat ccattaattt attagtgagc 120
 ttcactatat gcagactggg agataaggag aaaatctgtc acattctctc tagctaatac 180
 gatcagctac caattaatga gattctgaat gaaatatcaa tatgtgtttt tctaatttgg 240
 acctaggaca gagctgttgc ttgtcataga gaaaaacaat aatgcttaaa catagcacat 300
 tataattaaa gcaggtttct cacatacttt tcattttatc ctttgataa ttttgtgagg 360
 aacgcaggac accaacttcc ctttcataga tacaatcccc atgctattga tgaaagtgtt 420
 tttgaatgaa gccatacaac aaataactga tcaaagtggc attacaccaa aatttcttag 480
 taggactcct gcatagaatg tttagataga cgtgaaaagt ttgttcanga ggaccagcaa 540
 gagagaaact gggttctttg ggagggtttc ggtgctacat ttataccctn catcagagtn 600

<210> 674
 <211> 140
 <212> DNA
 <213> Homo sapiens

<400> 674
 ggtggttggg gtaaatgagt gaggcaggag tccgaggagg ttagttgtgg caataaaaat 60
 gattaaggat actagtataa gagatcaggc tcgtccttta gtgttgtgta tggctatcat 120
 ttgttttgag gttagtttga 140

<210> 675
 <211> 245
 <212> DNA
 <213> Homo sapiens

<400> 675

```
<210> 676
<211> 621
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 13, 21
<223> n = A,T,C or G
```

```
<210> 677
<211> 210
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 10
<223> n = A,T,C or G
```

```
<210> 678
<211> 383
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 86, 119, 120, 139, 140, 148, 162, 167, 175, 184, 222, 227,
263, 270, 282, 327, 379
```

<400> 678

<210> 679

<211> 371

<212> DNA

<213> Homo sapiens

<400> 679

```

<400> 679
aaaatgaaaa tattgacaag agtttcagat agaaaaatgaa aaacaagcta agacaagtat 60
tggagaagta tagaagatag aaaaatataa agccaaaaat tggataaaat agcactgaaa 120
aaatgaggaa attattggta accaatttat tttaaaagcc catcaattta atttctggtg 180
gtgcagaagt tagaaggtaa agcttgagaa gatgagggtg tttacgtaga ccagaaccaa 240
tttcagaagaa tacttgaaagc tagaagggga agttggttaa aaatcacatc aaaaagctac 300
taaaaggact ggtgtaattt aaaaaaaact aaggcagaag gcttttggaag gagttagaag 360
aatttggaag g                                     371

```

<210> 680

<211> 176

<212> DNA

<213> Homo sapiens

<400> 680

cctaggattg	tgggggcaat	gaatgaagcg	aacagatttt	cgttcatttt	ggttctcagg	60
gtttgttata	attttttatt	tttatgggct	ttggtgaggg	aggtaagtgg	tagtttgtgt	120
ttaatatattt	tagttgggtg	atgaggaata	gtgtaaggag	tatgggggta	attatg	176

<210> 681

<211> 152

<212> DNA

<213> Homo sapiens

<400> 681

```

ctggagatgg atatgagact agtcaagatg tgaatgctaa ttggagagaa atataatttt 60
aggaagatgc acattgatgt ggggttttga tgtgtctgat tttgactact caagctctgt 120
ttacagaaga aaattgaatg gcgagggtgt gg                               152

```

<210> 682

<211> 141

<212> DNA

<213> Homo sapiens

<400> 682

```

ccagtgccttg cttgccgtgg tttagtgatt ggggtgttaga aataaaaaact caggtctatt 60
tcttaccagt  cagtaacaat ttttagagaa tgtacttggt atataatata tggacttcag 120
gaactttgtt  ggggtggggg g                                     141

```

<210> 683
 <211> 308
 <212> DNA
 <213> Homo sapiens

<400> 683
 ccagcaatgg tacagagtga ggggtgttctg ctaatgactt cagagaagta ttaagaaaa 60
 acatagaaaa acgtgtgcgg agtttgccag aaatagatgg cttgagcaaa gagacagtgt 120
 tgagctcatg gatagccaaa tatgatgcca ttacagagg tgaagaggac ttgtgcaaac 180
 agccaaatag aatggcccta agtgcagtgt ctgaacttat tctgagcaag gaacaactct 240
 atgaaatgtt tcagcagatt ctgggtatca aaaaactaga acaccagctc ctttataatg 300
 catgtcag 308

<210> 684
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 684
 tgggtattagg attaggatgt gtgaagtata gtacggatga gaagggtggg gaacagctaa 60
 ataggttggt gttgatttgg ttaaaaaata gtagggggat gatgctaata attaggctgt 120
 ggggtggttgt gttgattcaa attatgtgtt ttttgagag tcatgtcagt ggtagtaata 180
 taattgttgg gacgattagt ttttagcattg gagtaggttt aggttatgta cgtagtctag 240
 gccatatgtg ttggagattg agactagtag ggctagg 277

<210> 685
 <211> 457
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 10
 <223> n = A,T,C or G

<400> 685
 ctgtggcgtn ccctaacttct cccaaacctc gcaactccct cccaggacag tcagtgccaa 60
 agaaacagggt cgctgaaaac taaaatgtcc acatccctaa ctggcaaccc acatcaaccc 120
 caaaagggttg aagaatcatc taagatatct cagatgctct atgaagaaat tcactttaac 180
 acttataact gtaagacttt gcatacatta caacagtga ttagtgatac aagttgtaaa 240
 atacgtttcc attccttttg attttgcata tgatgggttt gcatcagtca ctgcaggtag 300
 attgagcaag ctttttgtgt ttgttttttt aaacatgcat tcaactagat atgattcaga 360
 atagattaat actccctttt tactactaca gttagctaaa aaattgccag gcagtccaca 420
 aaacagaatt tgctttaaga ccaaccaca gagtcag 457

<210> 686
 <211> 234
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1

1001754-1001754

<223> n = A,T,C or G

<400> 686

```
ntggatttat aaaatagttg caatgacaaa agaagtatgt tttgacagta aaaaaaagac 60
attatggaca aaatatgcaa aatgtgcaaa gaaaaaataa atttgcatta gaaaggtggg 120
catttgatct ctgagccctg tgccatgtaa cattgccatg ttctttcact gttgtttgaa 180
tgttgtaccc cagcccttga ctctggactt aaggcaagct atgactggct ttgg 234
```

<210> 687

<211> 315

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 2, 190

<223> n = A,T,C or G

<400> 687

```
nngtctgtga aaaactcttt ggatgattct gccaaaaagg tacttctgga aaaatacaaa 60
tatgtggaga attttggtct aattgatggg cgctcacca tctgtacaat ctctgtttc 120
tttgccatag tggctttgat ttgggattat atgcaccct ttccagagtc caaaccggt 180
ttggctttgn gtgtcatatc ctattttgtg atgatgggga ttctgaccat ttatacctca 240
tataaggaga agagcatctt tctcgtggcc cacaggaaag atcctacagg aatggatcct 300
gatgatattt ggcag 315
```

<210> 688

<211> 522

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 31, 32, 387

<223> n = A,T,C or G

<400> 688

```
ctgaattaga ggaggagaaa agaagccatt nnggagtact ttaattgttt agatgtgaga 60
ggctgaatgt ttgggttaag atgttagttg tcagaatcat gagaaaagg ttttaagcaag 120
gggcatttct aattctaaaa ataacaacta ctgttattta ttgagcacta tctttttgtt 180
gggtactgtc taaagtactt gatttatttt ttaaaacctt acaaaaaact tacaaggtag 240
gtactgaaag attcagtaat ttgttcaaag tcacacagca aataagcaac agactctgga 300
tttgaaccag gcaatcctag agcctgtact gttagtaatt atacttttagc acctgtcaag 360
aattcctgtt gagtgtcaag aagcaancac caagttagga tttaaagcaa acatgattga 420
agaatactgt ggtgtggttg acagtagtgc ctaagtctgt tttcagagtg aaaaatgaca 480
aattagattt taagtatggg ttggagataa tatcaggaca gt 522
```

<210> 689

<211> 158

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

1001754-100901

[illegible]

582

<400>	693						
ccaattgatt	tgatggtaag	ggagggatcg	ttgacctcgt	ctgttatgta	aaggatgcgt	60	
agggatggga	gggcgatgag	gactaggatg	atggcgggca	ggatagttca	gacggtttct	120	
atttcctgag	cgtctgagat	gttagtatta	gttagctttg	ttgtgagtgt	taggaaaagg	180	
gcatacagga	ctaggaagca	gataaggaaa	atgactatga	gggcgtgatc	atgaaagggtg	240	
ataagctctt	ctatgatagg	ggaagtagcg	tctttg			275	

```
<220>  
<221> misc_feature  
<222> 1  
<223> n = A,T,C or G
```

<400>	694						
nggtctgcat	ttttattgcg	atctgcagat	gaactggaaa	atctcatttt	acaacagaac	60	
tgagacagac	gaccaccata	ttcactgagg	tctaaatttg	cagtttcac	taatgacatt	120	
ttgatttccc	aacagagata	cttctgggtct	tactgcacag	tcttttaaga	gaaatacttc	180	
cattatgcc	cattgtcctt	gatccgtaag	tgatgtgtta	agggtcttca	aaggaactct	240	
gacctctgaa	gtacttgagc	tacttttagta	tgtccagcct	attgcttttt	gttttagtgt	300	
gtcaccataa	atatcagggg	cataaaaggc	tatctattct	taattcaagg	ataaaacaga	360	
agaagcttgt	ggtataaaac	aatagttcaa	gatccag			397	

```
<220>
<221> misc_feature
<222> 29, 96, 165, 236, 248, 312, 314, 334, 352, 359, 413, 414,
472, 525, 547, 583, 609
<223> n = A,T,C or G
```

<400>	695						
ctgagcgttcc	atttgtcagc	tagcactgng	gtagtcaacc	atgcgaatga	ggctattttg	60	
gacctcatga	ttgtccagt	cctgggctga	taccgnngga	aacgaaattt	tgtggctgcc	120	
cacaaaatca	tggaaaaata	tgatttttta	gaaaacctcc	actgntttgt	tgtgcagcaa	180	
taaataactg	aaacaccaat	ccaaaaaact	tataaagcta	taacaattaa	aacagnataa	240	
taatagtnc	gggatacaaa	aatggtcaaa	ttgaagagga	tacaaagcct	caaagcagtc	300	
ctcactcata	ananccttgt	tgtatcacta	aaanggcatt	aaaattgaga	anaaggaana	360	
actagtggat	taattaataa	atgagaagta	tccataagga	aaaattaaaa	ttnnattcct	420	
gcttcacatt	atgaaaaaaaa	acaaacaaca	gattgattaa	agacttaa	at	480	
aaatgttaaa	actgtgataa	gaacatttaa	gaaaatagtt	ctatnaccct	gggataaaac	540	

```
<210> 696
<211> 300
<212> DNA
<213> Homo sapiens
```

```
<210> 697
<211> 391
<212> DNA
<213> Homo sapiens
```

<400>	697									
nngtcatgtn	tgatgnatct	gancaggttg	ctccacaggt	agctctagga	gggctggcaa	60				
cttagaggty	gggagcagag	aattctctta	tccaacatca	acatcttggt	cagatttgaa	120				
ctcttcaatc	tcttgcaetc	aaagcttggt	aagatagtta	agcgctgcata	agttaacttc	180				
caatttacat	actctgctta	gaatttgggg	gaaaatttag	aaatataatt	gacaggatta	240				
ttggaaattt	gttataatga	atgaaacatt	ttgtcatata	agattcatat	ttacttctta	300				
tacatttgtat	aaagnaaggc	atggttgtgg	ttaatctggt	ttatttttgn	tccacaagtt	360				
aaataaatca	taaaacttga	acaaaaaaaa	a			391				

```
<220>  
<221> misc_feature  
<222> 508, 523  
<223> n = A,T,C or G
```

[illegible]

$\langle 220 \rangle$

<400> 705
ctgaacccctc gtggagccat tcatacaggt ccctaattaa ggaacaagtg attatgctac 60

```
<210> 706
<211> 266
<212> DNA
<213> Homo sapiens
```

<400>	706								
ccatggctag	gtttatagat	agttgggtgg	ttggtgtaa	tgagtgaggc	aggagtcgga	60			
ggaggttagt	tgtggcaata	aaaatgatta	aggatactan	tataagagat	caggntcgtc	120			
ctttagtgtt	gtgatggct	atcatttggt	ttgagntag	tttgattagt	cattgttggg	180			
tggaattag	tcggttggtg	atgagatatt	tggaggtggg	gatcaataga	gggggaaata	240			
gaatgatcag	tactgcggcg	ggtagg				266			

```
<220>  
<221> misc_feature  
<222> 131  
<223> n = A,T,C or G
```

```
<210> 708
<211> 491
<212> DNA
<213> Homo sapiens
```

<400> 708

```

cctactatgg gngttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
gctgttcctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgtgggca 120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtagggt 180
ttgtcgctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240
agctgttctt aggtagctcg tctgggttctg ggggtcttag ctttggctct ccttgcaaag 300
ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360
tgggtataat ttttcatctt tcccttgagg tactatatct attgcgccag gtttcaattt 420
ctatcgcta tactttattt gggtaaatgg tttggctaag gttgtctggt agtaaggngg 480
gagtgggttt g 491

```

```

<210> 709
<211> 460
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1, 197, 216, 231, 313, 389, 411
<223> n = A,T,C or G

```

```

<400> 709
nggttttttt tgtagagcaa ataatttatg caaaatatgt tacaaaatct gggatgctaa 60
atagttgaca caagtactgt gtttgacatt tagtttcatt tgaattagta atagaatttg 120
ctccttccaa catttacatc ttttttcttt ctgactttat atattttcaa taaaaatttg 180
ctccacagtt ttttaagntca ttcttcttga atccgntttt acatttgctg ngacaaacct 240
gcataaaact agattttata gatataactt ctttgggaaga gataaaaatt caaaagtgtg 300
acattgcttt canttattct tttcttcatt gttttgattg gccctgttta gattgatgta 360
ttgccaatct acttttgatg gcatgaatnt aaaatgacaa cataaaaaagc ncttctagtg 420
caacagtaat tgaaacttgc agttttccat taaaaaaaaa 460

```

```

<210> 710
<211> 542
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 275, 507
<223> n = A,T,C or G

```

```

<400> 710
ctgttacagt gacaagagat aaaaagatag acctgcagaa aaaacaaact caaagaaatg 60
tggtcagatg taatgtaatt ggagtgaata actgtgggaa aagtggagtt cttcaggctc 120
ttcttggaag aaacttaatg aggcagaaga aaattcgtga agatcataga tcctactatg 180
cgattaacac tgtttatgta tatggacaag agaaatactt gttggtgcat gatattctcag 240
aatcggaatt tctaactgaa gctgaaatca tttgngatgt tgatatgcctg gtatataatg 300
tcagcaatcc caaatccttt gaatactgtg ccaggatttt taagcaacac tttatggaca 360
gcagaatacc ttgcttaatc gtagctgcaa agtcagacct gcatgaagtt aaacaagaat 420
acagtatttc acctactgat ttctgcagga aacacaaaat gcctccacca caagccttca 480
cttgcaatac tgctgatgcc cccagtnagg atatctttgt taaattgaca acaatggacc 540
tg 542

```

```

<210> 711
<211> 394

```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 184, 299
<223> n = A,T,C or G

<400> 711
caaacccact ccaccttact accagacaac cttagccaaa ccatttacc aaataaaagta 60
taggcgatag aaattgaaac ctggcgcaat agatatagta ccgcaaggga aagatgaaaa 120
attataacca agcataatat agcaaggact aaccctata ccttctgcat aatgaattaa 180
ctanaaataa ctttgcaagg agagccaaag ctaagacccc cgaaaccaga cgagctacct 240
aagaacagct aaaagagcac acccgtctat gtagcaaaat agtgggaaga tttataggna 300
gaggcgacaa acctaccgag cctggtgata gctggttgc caagatagaa tcttagttca 360
actttaaatt tgcccacaga accctctaaa tccc 394

<210> 712
<211> 552
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 11, 133, 329, 345, 421, 518
<223> n = A,T,C or G

<400> 712
gaggtctgta naatgccagg ctcaaatttg tctttataat ttaataccag aaatctttcc 60
cttgtgatgt ttctttctt ctggattgcc tctatagcag gggatagcgg gggaggataa 120
ggcacatctt tgntgtactg agaaatttga ccacgcagga tgatgtggct gttctcatc 180
atctgcacag agaaaaataa tgataaaata tccctttcct atgtttactg attttatggc 240
tgccataatg gaagcctcct tgactattta atcctttctg tcaactaggt tcgatttttt 300
ttttaattta cctgttagag gtattttaana attttaacta gctanaaata attacattcc 360
aaaggaacac caaggcaa ataatggttgg taatcagcaa aagaattaca ttagttgttg 420
ntgctactta ttagggggag aactgttttt ttttaattt aaacaattta ataactcaa 480
ctgcaaataa ttttagatgc agcaaaggac tatgtagncg ttaatacctc atgttgatat 540
tttcataata tt 552

<210> 713
<211> 518
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 133, 148, 188, 209, 246, 248, 263, 306, 316, 339, 371, 430,
469
<223> n = A,T,C or G

<400> 713
ccaaaaactg gaagcagctc actaaacaaa cagtggcata cccatagaac tgcatacttc 60
tcagcagtat gaaagaatga gctacttata taagcatcat tgataaacct caaaaaaaaa 120
atgccacatg aanaaaccca aagggganaa acataaaaac tttatatgtc agtcatataa 180

```

aattctanaa aatgcaaact aatccatcnt aaaggaaagt aaatcaacag ttgtctggag 240
gaccananag agcaggagga ganagattat taaaggggtt aaagtaaatt tgggagtgcc 300
cttcntttt taaatnctat gaaaatgaaa gttaaaggcnc atgcatgttg taaactaata 360
gtaacaaaca naatgggttg gagtggggtg ttgtctggg acatcattac aaaatgtaag 420
ccagtttatn taaattttga aaagaccgtg gactctgac tgactgatna atgttggaag 480
agataagtgt gctgcaaatg ggggaattaa taaaacag 518

```

```

<210> 714
<211> 281
<212> DNA
<213> Homo sapiens

```

```

<400> 714
ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaagggtg 240
ataagctctt ctatgatagg ggaagtagcg tcttgtagac c 281

```

```

<210> 715
<211> 443
<212> DNA
<213> Homo sapiens

```

```

<400> 715
cttgaaatca gcaacacact tacaaatgag aaaatgaaaa tagaagagta tataaagaaa 60
gggaaagagg attatgaaga gagtcatcag agagctgtgg ctgcagaggt atccgtactt 120
gaaaactgga aggagagtga agtggtataag ctacagatca tggagtcaca agcagaagcc 180
tttctgaaga agctggggct gattagccgt gatcctgcag catatcccga catggagtct 240
gatatacggt catgggaatt gtttctttct aatgttataa aagaaattga gaaagcaaa 300
tctcagtttg aagaacaaat taaggcaatt aaaaatgggt cccggctcag tgaactttct 360
aaagtgcaga tttctgagct ttcattttct gcctgtaaca cggttcatcc cgagttactc 420
cctgagtctt caggccacga tgg 443

```

```

<210> 716
<211> 639
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 6, 516, 532, 553, 602, 617, 620
<223> n = A,T,C or G

```

```

<400> 716
ccaaanaaaa tgaagtacag agtctgcata gtaagcttac agataccttg gtatcaaaac 60
aacagttgga gcaaagacta atgcagttaa tggaatcaga gcagaaaagg gtgaacaaag 120
aagagtctct acaaatgcag gttcaggata ttttggagca gaatgaggct ttgaaagctc 180
aaattcagca gttccattcc cagatagcag cccagacctc cgcttcagtt ctagcagaag 240
aattacataa agtgattgca gaaaaggata agcagataaa acagactgaa gattctttag 300
caagtgaacg tgatcgttta acaagtaaag aagaggaact taaggatata cagaatatga 360
atttcttatt aaaagctgaa gtgcagaaat tacaggccct ggcaaatgag caggctgctg 420
ctgcacatga attggagaag atgcaacaaa gtgtttatgt taaagatgat aaaataagat 480
tgctggaaga gcaactacaa catgaaatth caaacnaaat ggaagaatth angattctaa 540

```


atgacacaaaa canagcatta aaatcagaag ttcagaagct gcagactcctt gtttctgcac 600
 angcctaata aggatgntgn ggaacaaatg gaaaaattg 639

<210> 717
 <211> 473
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 2, 102, 148, 157, 187, 290
 <223> n = A,T,C or G

<400> 717
 nntgaggcta ctgctgtttt attacaacat tacctcttgt ttttataaag tgtaccaaga 60
 tttaaattga taactttatt ttacttgaaa aaaaaaagtt tnttttatca ccagtgttac 120
 agttgtcttc tgtttctttt tgttttgntt tatttgnntt ccttttttagc caaagagtga 180
 acagaanatt ttcttatttt ggtggctatt cattttactt ttaaaagtga ttggtggatt 240
 ttagactaat tatgggggaa tttgccacca aaataaaaaa tatgtaaagn gtagtgatta 300
 cagagtgggt aaaatgtggg ttagtactta tttattccat taattgatta tttgactgtt 360
 tataaagaaa gttgctttat ttcttttaac atcttcaaaa gatgatcctt tcttgtcaca 420
 ttatagccaa aagaagcaga gaacttcact gtctgcattt ggttcctggt tgg 473

<210> 718
 <211> 207
 <212> DNA
 <213> Homo sapiens

<400> 718
 ggtaaatgct agtataatat ttaccatctc acttctagga atactagtat atcgctcaca 60
 cctcatatcc tccctactat gcctagaagg aataatacta tcactgttca ttatagctac 120
 tctcataacc ctcaacaccc actccctctt agccaatatt gtgcctattg ccatactagt 180
 ctttgccgcc tgcgaagcag cggtagg 207

<210> 719
 <211> 255
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 214
 <223> n = A,T,C or G

<400> 719
 cctatattac ggatcatttc tctactcaga aacctgaaac atcggcatta tcttctgtct 60
 tgcaactata gcaacagcct tcataggcta tgcctcccg tgaggccaaa tatcattctg 120
 aggggccaca gtaattacaa acttactatc cgccatccca tacattggga cagacctagt 180
 tcaatgaatc tgaggaggct actcagtaga cagncccacc ctcacacgat tctttacctt 240
 tcacttcac ttgcc 255

<210> 720
 <211> 455
 <212> DNA

100175410001

```
<400> 722  
ccaaggggtca tgatggcagg agtaatcana ggtgnctttg tgtttgata agggnggaga 60  
ggttaaaagga gccacttatt agtaatgttg atagttagaat gatggctagg gtgacctcat 120  
atgagatttgt ttgggctact gctcgcagtg cgccgatcac ggcgtagttt gagtttgatg 180  
ctcatcctga tnagaggatt gagtaaacgg ctaggctaga ggtggctaga ataaatatga 240  
gg                                     242
```

<210> 726

<211> 477
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 266
 <223> n = A,T,C or G

<400> 726
 ctgaaccctc gtggagccat tcatacaggt ccctaattaa ggaacaagt attatgctac 60
 ctttgcacgg ttaggggtacc gcggccgtta aacatgtgtc actgggcagg cgggtgcctct 120
 aatactggtg atgctagagg tgatgttttt ggtaaacagg cggggtaaga tttgccgagt 180
 tccttttact ttttttaacc tttccttatg agcatgcctg tgttgggttg acagtgaggg 240
 taataatgac ttgttggtga ttgtanatat tgggctgtta attgtcagtt cagtgtttta 300
 atctgacgca ggcttatgcg gaggagaatg ttttcatgtt acttatacta acattagtgc 360
 ttctataggg tgatagattg gtccaattgg gtgtgaggag ttcagttata tgtttgggat 420
 ttttttaggta gtgggtgttg agcttgaacg ctttcttaat tggcggctgc ttttagg 477

<210> 727
 <211> 416
 <212> DNA
 <213> Homo sapiens

<400> 727
 cctgtctttg aatggatgaa atagggttaat aaaaaacatc actgttttaa aactagaaca 60
 ctgaaaaatt ctaggaaagc ttattttccc ttatatTTTT atgggtacttt caacacttaa 120
 taacactatt tcaattaagt tttctcctag agtttatagt atatcagtag attcttttct 180
 gtggatgcaa taatatagaa tcttattcca aatcttactg gcaggttctc ttaaattctt 240
 caacggctgc catagtgatt aacccaaaatt agttatgatt tctgcctatc tgtgtgagaa 300
 cttacagggg aaattgttct aaacctgagg aacatgaagt aactgtactg cacactccaa 360
 atgatgacag tcattttata tcaccttcaa ttaccaaca gcttttaata gtctgg 416

<210> 728
 <211> 416
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 411
 <223> n = A,T,C or G

<400> 728
 cctgtctttg aatggatgaa atagggttaat aaaaaacatc actgttttaa aactagaaca 60
 ctgaaaaatt ctaggaaagc ttattttccc ttatatTTTT atgggtacttt caacacttaa 120
 taacactatt tcaattaagt tttctcctag agtttatagt atatcagtag attcttttct 180
 gtggatgcaa taatatagaa tcttattcca aatcttactg gcaggttctc ttaaattctt 240
 caacggctgc catagtgatt aacccaaaatt agttatgatt tctgcctatc tgtgtgagaa 300
 cttacagggg aaattgttct aaacctgagg aacatgaagt aactgtactg cacactccaa 360
 atgatgacag tcattttata tcaccttcaa ttaccaaca gcttttaata ntctgg 416

<210> 729
 <211> 564

```
<220>  
<221> misc_feature  
<222> 399, 439, 463  
<223> n = A,T,C or G
```

```
<210> 730
<211> 310
<212> DNA
<213> Homo sapiens
```

```
<210> 731
<211> 467
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 1, 260, 276, 334, 388, 392, 407
<223> n = A,T,C or G
```

<210> 732

<211> 492
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 266, 343, 364, 483
 <223> n = A,T,C or G

<400> 732
 cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
 gctgttcctc tttggactaa cagctaaatt tacaagggga tttagagggg tctgtgggca 120
 aatttaaagt tgaactaaga ttctatcttg gacaaccagg tatcaccagg ctcggtaggt 180
 ttgtcgctc tacctataaa tcttccact attttgctac atagacgggt gtgctctttt 240
 agctgttctt aggtagctcg tctggnttcg ggggtcttag ctttggtct ccttgcaaag 300
 ttatttctag ttaattcatt atgcagaagg tataggggtt agnccttgct atattatgct 360
 tggntataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt 420
 ctatcgcta tactttattt gggtaaatgg tttggctaag gttgtctggt agtgaggcgg 480
 agngggtttg gg 492

<210> 733
 <211> 562
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 169, 400, 430, 460, 497, 513, 523, 555
 <223> n = A,T,C or G

<400> 733
 ntgaaatggc aatagcattc actgtcgtat tttgcagtgc tcaggaagtg ggacgttaac 60
 tttgaagggtg cttgtttgta ttagctctgc taggtttacc tctacaacgt agatttcagc 120
 agctatgctg actgacacta cattctagtt ctttaagattt tttttccana tcccccttc 180
 cccagctaga catacgtagc atactttcat cttattcagt ctttctgtaa cctgctgctg 240
 cttttagtc tccctcacctc agatcggaat caatggagtg ggcccagagg atacatttta 300
 attccagtaa tggtaggtag atttgcctg ctttctaaaa catctcctca tttcatattt 360
 ccactccata ttgattccat aagggaaaat taatgggtgn ttccctcctt agggaggcaa 420
 tgcaaagagn gtggacatct tctaactctg aggaacagtn gttgatttcc cttgaaggag 480
 cttacatatt gactgtnttt cacaataacc tgnttgcccc agntcaatcc ctcattttta 540
 tacttaatgt tggtnctggg ct 562

<210> 734
 <211> 265
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1
 <223> n = A,T,C or G

<400> 734
 nggtccagaa caagagaaat aactgcagaa aacacatatg gttggaaacc atgcgcttgt 60

100775471000

gactttttct gtagcctatg ggagtggaca gagtgggtaa cccaagatgt ttttaagact 120
gactggacta agaatggcgt acttatagcc aactacttcc cccctaagt gactgaaggg 180
attcataatg atcacaatta gcattacggt taagtatttt agggttgacg tctaagctca 240
cacttgaaag gtatttatct aatgg 265

<210> 735
<211> 216
<212> DNA
<213> Homo sapiens

<400> 735
atttaatacg tgctcactgc tccggcacgcg ctgaagctac agttaacaat cagtgagcac 60
atattaaatg ataaaaataat gctgatggta aacattcata acagcagagt aagattttgg 120
cagttttgtg tctcggtaac ataactgtaa ccttagatga acacctatcc cttcatgatc 180
tgactttaga ggcaaggagt ttgtaacatc taatgg 216

<210> 736
<211> 285
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 13, 177
<223> n = A,T,C or G

<400> 736
ctgaaaggca acntggagac tagttagtct agtcccctca tattataaat tggatatgctg 60
aggccaggca gttaaattgct atggagctct ccaatttaag gccagtttga ctccaagggt 120
agggttcta gtaaaatttt gtgattaaat tggaaactct aatttatttt tctatgngtt 180
tttggtacct aatcctcata agcaagccat atttcaaggc tgatcaatga aaacaccaaa 240
taccaaagct tcctttccct tccaaattta ctgacccttt gtcag 285

<210> 737
<211> 509
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 4, 13, 303, 347, 419, 446, 473, 483, 489, 503
<223> n = A,T,C or G

<400> 737
agangaagaa gangaagatt aagggaaaag tacatcggtc aagaagagct caacaaaaca 60
aagcccatct ggaccagaaa tcccgcagat attactaatg aggagtacgg agaattctat 120
aagagcttga ccaatgactg ggaagatcac ttggcagtga agcatttttc agttgaagga 180
cagttggaat tcagagccct tctatttgtc ccacgacgtg ctccttttga tctgtttgaa 240
aacagaaaga aaaagaacaa catcaaattg tatgtacgca gagttttcat catggataac 300
tgngaggagc taatccctga atatctgaac ttcattagag ggggtggnaga ctgggaggat 360
ctccctctaa acatatcccg tgagatgttg caacaaagca aaattttgaa agttatcang 420
aagaatttgg gtcaaaaaat gcttanaact ctttactgaa ctggcggaag atnaagagaa 480
ctncaagana ttctatgagc agntctctt 509

<210> 738
 <211> 97
 <212> DNA
 <213> Homo sapiens

<400> 738
 cagtgaattg aatacgactc ctatagggcg aattggggccc tctagatgca tgctcgagcg 60
 gccgccagtg tgatggatat ctgcagaatt cgccctt 97

<210> 739
 <211> 209
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 4
 <223> n = A,T,C or G

<400> 739
 ccgncagtgt gatggatata tgcagaattc gcccttagcg gcccgcccg gcagggtcct 60
 tatatatagt agcttagttt gaaaaaatgt gaaggacttt cgtaacggaa gtaattcaag 120
 atcaagagta attaccaact taatgttttt gcattggact ttgagttaag attatTTTTT 180
 aaatcctgag gactagcatt aattgacgg 209

<210> 740
 <211> 164
 <212> DNA
 <213> Homo sapiens

<400> 740
 ccaagctaag gggtagact gtgaatgcaa ctctaataca gcttggcgta aatgggtccta 60
 tgggcactaa ctttcaagtt aacacaaaca gaggaggtgg tgtgtgggaa tctgggtgcag 120
 caaactccca gactacatca tggggaagtg gaaatggcgc aaat 164

<210> 741
 <211> 514
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 82, 438, 485, 497
 <223> n = A,T,C or G

<400> 741
 ccagtcagaa ttgagatgtg ctgtgagtgc aaaatacact caaatctaag acttagtatg 60
 gaagaaaaag aagataaggt gnttcattaa taatctttta tattgattac atgttgaaat 120
 gatattttta atatactggg ttacataaac tggtattaaag attaattttg cttgtttcct 180
 ttttaatatg gctactagaa aattaaaaat tatgttggg ttcacattat atttctgttg 240
 aacaatgtgg acatagataa tctacagtca ttacattagc cttagaattt agcatcatac 300
 ttttaagcac tctggggtac taacttgaac tcccagaaac ccataagcac actctgcata 360
 taaattattg caaaattcat tcttatctct ctgaaagata tgcatttttaa gggtaaaaag 420
 aattcacaaa atattgantc cttaacaaat gtcaattagt atatggagag agctaaagga 480

1001751410500

514

```
<220>  
<221> misc_feature  
<222> 28, 123, 144, 347, 367  
<223> n = A,T,C or G
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[illegible]

```
<220>  
<221> misc_feature  
<222> 3  
<223> n = A,T,C or G
```

```
<210> 744
<211> 295
<212> DNA
<213> Homo sapiens
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[illegible]

aagtgtcagt tgtagattat tgggatgaag ctaaattccc agaatgcagc agcag 295

<210> 745

<211> 477

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 434

<223> n = A,T,C or G

<400> 745

```
cgcgttactg tacatattgc tagcaggaga caactggaaa tactaaacaa atactggaat 60
tcacattaca gacagacgaa accaacatgg atgccacaca taacttcctt tgtagtttca 120
cagagagcct atttgtggtt gctcagggtg ggtcatacat tgcttgcaga aatggcctga 180
tcatagctct atgaaacaat gaattcggaa tgaaatctta ccatgacacc tctctgtagg 240
aaagaaatgt tgcttcacgt gtgctaagtt gagataataa tatttcacat atttatatac 300
agagaatcac tctcaaattt aaccaagat aagcaatagg atttgggggt gacttgtaga 360
catttctaac aacacttttc ttttttctag aggtcactct caaacactga tatatcacta 420
tagtttgagt gtanggattc agtaatcaaa gggtgttatt gcaaaagagc caggcag 477
```

<210> 746

<211> 524

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 393

<223> n = A,T,C or G

<400> 746

```
ctgtgaaatt ggggttgggag agccaaaata ctttacaact tcagaccgga gaaaaggcca 60
gagggtgtgaa gttagactct atgatgaaac agagtcgtct tttgcgatga catggttgga 120
taatgaatcc attctacttg cacagagctg gatgccacga gaaacagtaa tatttgctc 180
agatgtaaga ataaattttg acaaatttcg gaactgcatg acagcaactg taatctcaaa 240
aaccattatt acaactaatc cagatatacc agaagctaac attctgctga attttatacg 300
agaaaataaa gaaacaaatg ttctggatga tgaaattgac agttatttca aagaatccat 360
aaatttaagt acaatagttg atgtctacac agntgaacaa ttaaaggga aagctttgaa 420
gaatgaagga aaagctgac cttcctatgg catcctttat gcctacattt ccacactcaa 480
cattgatgat gaaactcaaa agtagttcga aatagatggt ccag 524
```

<210> 747

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 411

<223> n = A,T,C or G

<400> 747

```

cctcagttct tgattgtggt tgacggggcg tcaccatgaa ggagcccatt tagtataaag 60
cttccaacct tttctcttaa tcgtttcttt aatcttttaa accatcttca agtgcatagg 120
ggagtttccg atgccagagg atgaaagcaa gtgctttctc caccctctcc tcccagagtg 180
aaaacaaatc cttttgctga tacttgtttc aaaagcatcc attgtaaagc ttctcagtga 240
cacaaaatac tgagaggtaa ctttttatca atcaaaccac atacccaat ttaacacctt 300
tcagtgtctc gaattcaact gacagactaa aggggtgtttc ctgtaacagt ctgaaatatt 360
aagtgttttt tttgttttgt ttttaaactc tatttcagaa aacttcctct nggggtagga 420
aagtacacat gaagcagcaa agtaacgaag aaaaaac 456

```

```

<210> 748
<211> 474
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 4, 28, 58, 207, 210, 217, 423
<223> n = A,T,C or G

```

```

<400> 748
ccanaccagg gaaccaaagt cagacagnga agttctctgc ttcttttggc tataatgnga 60
caagaaaggg atcatctttt gaagatgttt aaagaaataa agcaactttc tttataaaca 120
gtcaaataat caattaatgg aataaataag tactaaccac cattttaacc actctgtaat 180
cactacactt tacatatatt ttatttnggn ggcaaantcc cccataatta gtctaaaatc 240
caccaatcac ttttaaaagt aaaatgaata gccacaaaaa taagaaaatc ttctgttcac 300
tctttggcta aaaaggaaaa caaataaaaac aaacaaaaaa gaaacagaag acaactgtaa 360
cactggtgat aaaagaaaact ttttttttac aagtaaaaata aagttatcaa tttaaatctt 420
ggncacttta taaaaacaag aggtaatgtt gtaataaaaac agcagtagcc tcag 474

```

```

<210> 749
<211> 355
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 8, 9, 12, 22, 242, 311, 332, 348
<223> n = A,T,C or G

```

```

<400> 749
cctgggtnna gnggctgact gnaacctcca cttcctgttc tcaggcaatc ctctgcctc 60
agcctcctta gtagctggga ctacaggagt gtgcaaccat gcccaactaa tttttgtatt 120
tttaatatag acagggtttc accatgttga tcaggtttgt ctccaactcc tgacctcagg 180
tgatccacct gtcccagcct cccaaagtgc tgggattaca ggcatgagcc accacgccg 240
gnccaggata aagtaaaaaa ttgtaagcac acaaggccct ttgcaacctg gctcctgggt 300
actactttta ncctcctgcc ctcccaaagt tntcactgt ttttctanac atacc 355

```

```

<210> 750
<211> 493
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

F0014570501

<222> 350, 364, 454
 <223> n = A,T,C or G

<400> 750
 ccattgctggg ctggaactcc tgaactcagg tgatccaccc gcctcagtct cccaatagat 60
 tacatatatt attaatgaat tgcttccttt aacaccctat tcattgaatt ttccagtaaa 120
 ccacaattac taattactcc tgaaatcaga aaagagggtta aaaagatttt ataacagtat 180
 cctatgaaat ctactacttt caagtaatag tagttgaatt accaaaaccc gtcactcaag 240
 ccaatgacta caattaagat atgagtaaca tttcctagat aaataaagtc aattaattat 300
 atttgcatct gggaaataga gaaagtacat ataagccatg attttgaagn caaaagagag 360
 agantatttg ccaaggaggg gtgagttata gtatgtaatt ataacataca gaagcttttt 420
 gtatgctggg aactaatttt aatttcctac attnttatgg agatttctgc tattcttgtc 480
 ctattttcca cct 493

<210> 751
 <211> 364
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 11, 34, 211, 360, 362
 <223> n = A,T,C or G

<400> 751
 cgaggctctgg naaggtcacc aagtctgccc aganagctca gaaggctaaa tgaatattat 60
 ccctaatacc tgccacccca ctcttaatca gtggtggaag aacgggtctca gaactgtttg 120
 tttcaattgg ccatTTaagt ttagtagtaa aagactgggt aatgataaca atgcatcgta 180
 aaaccttcag aaggaaagga gaatgTTTT nggaccactt tggTTTTctt ttttgctgtg 240
 ggcagtttta agttattagt ttttaaaatc agtacttttt aatgggaaaca acttgaccaa 300
 aaatttgTca cagaattttg agaccatta aaaaagttaa atgagataaa aaaaaaaaaa 360
 cntg 364

<210> 752
 <211> 498
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 17, 368, 395, 400, 425
 <223> n = A,T,C or G

<400> 752
 ctggattatg ggttggnatt ggtcatatgt tagactccat acaggcatag ctatgatgca 60
 gtgaatccct tagaagttac aattctcaaa ttacatactt cctcagatgt aacattagaa 120
 ctcaatattt ctaacaataa cataccagaa aaggctggac tggcactcat ctgctgacta 180
 acttgtagcc tcagtaatat gacatacttg cctttaacaa attatctcaa attaactaac 240
 agaccttcag aaaatggaga ttctttttga tggggacata atcaaattta agtctgagaa 300
 atatgcttaa cagttggaac tcaaattaaa tgtactgatt ttaaagttta gacattaaca 360
 agtgatanat tagcctcaaa aaaagacaat ttgnaagggn ttaggtcttt taatttggtg 420
 cttgntcaca acttgactgg tgcttctttc cttgctgctt cacatcaagc atggggccaa 480
 ttctattttc agtaaattg 498

1001754100904

<210> 753
 <211> 467
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> 1, 15, 77, 314, 317, 335, 419
 <223> n = A,T,C or G

<400> 753
 nacaacctta gccanaacca tttacccaaa taaagggata ggcgatagaa attgaaacct 60
 ggcgcaatag atatagnacc gcaagggaaa gatgaaaaat tataaccaag cataatatag 120
 caaggactaa cccctatacc ttctgcataa tgaattaact agaaataact ttgcaaggag 180
 agccaaagct aagacccccg aaaccagacg agctatctaa gaacagctaa aagagcacac 240
 ccgtctatgt agcaaaatag tgggaagatt tataggtaga ggcgacaaac ctaccgagcc 300
 tgggtgatagc tggntgncca agatagaatc ttagntcaac tttaaatttg cccacagaac 360
 cctctaaatc cccttgtaaa tttaaactgtt agtccaaaga ggaacagctc ttggacacna 420
 ggaaaaaacc ttgcagagag agtaaaaaat ttaacacca tagtagg 467

<210> 754
 <211> 196
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 17
 <223> n = A,T,C or G

<400> 754
 gtcattgttca agtgttntaa tctgacgcag gcttatgcgg aggagaatgt tttcatgtta 60
 cttatactaa cattagttct tctatagggt gatagattgg tccaattggg tgtgaggagt 120
 tcagttatat gtttgggatt ttttaggcag tgggtgttga gcttgaacgc tttcttaatt 180
 ggtggctgct ttttagg 196

<210> 755
 <211> 381
 <212> DNA
 <213> Homo sapiens

<400> 755
 ctggaaagga ttctgtacat ataagacatc aaatatgtag ggatactgga actttttaa 60
 taatgggcaa agaaagtcaa caaaggaagt tcatatgaaa tcaaactagt aatatgatta 120
 caaaaaaaaaa gtttaaaatt tttcttggcc ccagtccttat catttctgag ccaaatacaa 180
 ttctatcgaa atcacctgaa actgaaatca ccattctagg ctgggttttcc cataaagatg 240
 gactgctcca aaaagaggaa tcaagaaaga atttggctca cagtgaatta ttcactttgt 300
 cttagttaac taaaaataaa atctgactgt taactacaga aatcatttca aattctgtgg 360
 tgataataaa gtaatgaccg c 381

<210> 756
 <211> 341
 <212> DNA
 <213> Homo sapiens

1001754-10001

<220>
 <221> misc_feature
 <222> 3
 <223> n = A,T,C or G

<400> 756
 ggntataaac ctattattta ttgcagaact aataaaaaat ccaaagcctt gtattttgtac 60
 atctttatta tctctaaagc acttttctca acctaatttc agtttttaca attggtactc 120
 aagaaaatag agacagaaat catttgattt tgcccagaaa ccatctgctt atatttataa 180
 ggccaccta tttgaaatca catatagacc aggcgcggtg gctcacgcct gtaattccaa 240
 cactttggaa ggccaaggca ggtggatcac aagggtcaaga gattgagacc atcttggcca 300
 acatggcgaa acccgcgtctc taccaaaaat acaaaaatca g 341

<210> 757
 <211> 479
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 4, 359, 425, 431
 <223> n = A,T,C or G

<400> 757
 cgcnttactg tacatattgc tagcagggag acaactggaa atactaaaca aatactggaa 60
 ttcacattac agacagacga aaccaacatg gatgccacac ataacttcct ttgtagtttc 120
 acagagagcc tatttgtggt tgctcaggtg gggtcataca ttgcttgagc aaatggcctg 180
 atcatagctc tatgaaacaa tgaattcgga atgaaatctt accatgacac ctctctgtag 240
 gaaagaaatg ttgcttcacg tgtgctaagt tgagataata atatttcaca ttttatata 300
 cagagaatca ctctcaaatt taaccaaga taagcaatag gatttggggg tgacttgtnc 360
 acatttctaa caacactttt cttttttcta gaggtcactc tcaaactctg atatatcact 420
 atagnttgag ngtagggatt caagtaatca aagggttgta ttgcaaaaga gccaggcag 479

<210> 758
 <211> 267
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 6
 <223> n = A,T,C or G

<400> 758
 ccatgnctag gtttatagat agttgggtgg gttggtgtaa atgagtgagg caggagtcgg 60
 aggaggttag ttgtggcaat aaaaatgatt aaggatacta gtataagaga tcagggttcgt 120
 cctttagtgt tgtgtatggc tatcatttgt tttgaggtta gtttgactag tcattgttgg 180
 gtggtaatta gtcggttgtt gatgagatat ttggaggtgg ggatcaatag agggggaaat 240
 agaatgatca gtactgcggc gggtagg 267

<210> 759
 <211> 449
 <212> DNA

1001754-100904

<213> Homo sapiens

<220>

<221> misc_feature

<222> 371

<223> n = A,T,C or G

<400> 759

```
cgaggtcttg aaatcagcaa cacacttaca aatgagaaaa tgaaaataga agagtatata 60
aagaaagggg aagaggatta tgaagagagt catcagagag ctgtggctgc agaggtatcc 120
gtacttgaaa actggaagga gagtgaagtg tataagctac agatcatgga gtcacaagca 180
gaagcctttc tgaagaagct ggggctgatt agccgtgatc ctgcagcata tcccacatg 240
gagtctgata tacgttcatg ggaattgttt ctttctaattg ttacaaaaga aattgagaaa 300
gcaaagtctc agtttgaaga acaaattaag gcaattaaaa atgggtcccg gctcagtga 360
ctttctaaag ngcagatttc tgagctttca tttcctgcct gtaacacggg tcatcccgag 420
ttactccctg agtcttcagg ccacgatgg 449
```

<210> 760

<211> 414

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 5, 34, 136, 169, 173, 209, 227, 246, 269, 274, 291, 316, 341, 414

<223> n = A,T,C or G

<400> 760

```
ccatnaactg gaagcagctc actaaacaaa cagnggcata cccatagaac tgcatacttc 60
tcagcagtat gaaagaatga gctacttata taagcatcat tgataaacct caaaaaaaaaa 120
atgccacatg aagaanccca agggggagaa acataaaaac tttatatgnc agncatataa 180
aattctagaa aatgcaaact aatccatcnt aaaggaaagt aaatcancag ttgtctggag 240
gaccanagag agcaggagga gagagattnt taanggggtt aaagtaaatt ngggagtgcc 300
cttccatttt taaatnctat gaaaatgaaa gtaaaggccc ntgcatgttg taaactaata 360
gtaacaaaaca gattgggttg gagtggggtg ttgtctgggg acatcattac aaan 414
```

<210> 761

<211> 428

<212> DNA

<213> Homo sapiens

<400> 761

```
gagcctcact aaaataacag atttcagtat agccaagtgc atcagaaaaga ctcaaattgga 60
atgattttaca agatagaaca ctttaaacca ggtcagtcct atctttttgt agctgaaggc 120
tatcagtcac aacacaattt cgcgtacacc tctgctcatt atggaattac acttaaaacg 180
aatctcaaga gggtgaccat tggtgtttca gataccatcc ctaaggagag tgggttaacag 240
gaagattgcc agtgttactg atggaaagaa gtgtttgttt gttttttttc ttgtcaaaga 300
cttacaccat agtttttaaa taaactgtca ggcattttct cagacagggt ttccttttca 360
atgcagtaat gaagaactaa gataaaaaatc atgacttttg actgccactc aacattatta 420
catgcacc 428
```

<210> 762

<211> 574

2025-10-10 10:10:10

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 47, 190, 449, 509, 510, 552
<223> n = A,T,C or G

<400> 762
cagggtctgaa ctgataagta ttaagagacg tttgttgcta gttaagngtt ccagttgaga 60
gttcgaagtg aaaacctggg ctctttacca gtgttgagtg agaagattta tttctctttc 120
ctctgaattt accacatgta acatcacaga gacatgtaga gttcctttag gatttgcgat 180
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<210> 763
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 41, 116, 411
<223> n = A,T,C or G

<400> 763
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agctgttcct ctttggaacta acagttaaat ttacaagggg atttagaggg ttctgngggc 120
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gttattttcta gttaattcat tatgcagaag gtataggggt tagtccttgc tatattatgc 360
ttggatataa tttttcatct ttcccttgcg gtactatata tattgcgcca ngtttcaatt 420
tctatgcctt atactttatt tgggtaaatg gtttggttaa ggttg 465

<210> 764
<211> 151
<212> DNA
<213> Homo sapiens

<400> 764
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aaaacattaa gttggtaatt actcttgatc ttgaattact tccgttacga aagtccttca 120
catttttcaa actaagctac tatatttaag g 151

<210> 765
<211> 251
<212> DNA
<213> Homo sapiens

1001754-100901

<221> misc_feature
 <222> 35
 <223> n = A,T,C or G

<400> 768
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 ccaaaacctg gcagagggtac aataataaaa ggaaacttca agtcagtatc actgatgaac 180
 accaatgtga aaatcctcaa taaaataactg gcaaactgaa ttcagcagca catcaaaaag 240
 ctaatccacc acaatcaagt cagcttcac cctgcgatgc aagtctggtt caacatatgc 300
 aaatcaataa atacaattca tcagataaac agagctaaag acaaaattca catgattttc 360
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<210> 769
 <211> 518
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 282, 460, 490
 <223> n = A,T,C or G

<400> 769
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 gaggttttat tgtttgtgaa aacatgttgt catcactttt tgctttaagc ccttggtggt 180
 gaaataactc aaaccattct tccttatgct gaagatcgag aaccccaagt atcacatcta 240
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 agattgggtn tggaaagagc acttaagaaa gaggggtgg 518

<210> 770
 <211> 378
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 163, 283, 340
 <223> n = A,T,C or G

<400> 770
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 cacactttat aaaactttga attccttgaaa tgggtttcag aggttccaag gtcaaattca 120
 agaataagag ttaagaagaa aaagactatg agaaaaggaag tgntgacccc atttgcat 180
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 ctgaattggc aagaaaaatg gctggagggc tggaaagaagn tggacccttc ttccttcttc 360
 cttcttcctt ctttctcc 378

<210> 771

1007754-100904

<213> Homo sapiens

<220>

<221> misc_feature

<222> 12, 45, 51, 62, 90, 114, 134, 163

<223> n = A,T,C or G

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cctttacatg ttgngtatgg ctatcatttg ttttgaggct agnttgatta gtcattgttg 180
ggtggttaatt aa 192
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<210> 776

<211> 144

<212> DNA

<213> Homo sapiens

<400> 776

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aaaaaaaaa aaaaaaaaaa aaaa 144
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<210> 777

<211> 483

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<222> 14, 339, 461

<223> n = A,T,C or G

<400> 777

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aatTTaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt 180
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ttggatataa tttttcatct ttcccttgcg gtactataac tattgcgcca ggtttcaatt 420
tctgccgcct atactttatt tgggtaaatg gtttggtctaa ngttgctggt agaaggtgga 480
gtg 483
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<210> 778

<211> 393

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 295, 297, 370

<223> n = A,T,C or G

100175410991

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<213> Homo sapiens
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277
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<211> 328
<212> DNA
<213> Homo sapiens
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actaccctaa	ctcctcagag	gattatattc	atcgaattgg	aagaactgct	cgcagtagca	240	
aaacaggcac	agcatacact	ttctttacac	ctaataacat	aaagcagggg	agcgacctta	300	
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<211> 305
<212> DNA
<213> Homo sapiens
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<222> 75, 237  
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 taccaaagtg tgcaacctac agaccctcag gtactgccct gtgacttctc tgtatgacat 180
 cacaaggctg ccaagtgcct gtttttctag aactaggagt tggtgagggt tggctantgc 240
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 gacag 305

<210> 782
 <211> 497
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 385, 433, 440, 471
 <223> n = A,T,C or G

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<210> 783
 <211> 364
 <212> PRT
 <213> Homo sapiens

<400> 783
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 20 25 30
 Asn Thr Gln Arg Lys Lys Ser Gln Glu Lys Met Arg Glu Val Thr Asp
 35 40 45
 Ser Pro Gly Arg Pro Arg Glu Leu Thr Ile Pro Gln Thr Ser Ser His
 50 55 60
 Gly Ala Asn Arg Phe Val Pro Lys Ser Lys Ala Leu Glu Ala Val Lys
 65 70 75 80
 Leu Ala Ile Glu Ala Gly Phe His His Ile Asp Ser Ala His Val Tyr
 85 90 95
 Asn Asn Glu Glu Gln Val Gly Leu Ala Ile Arg Ser Lys Ile Ala Asp
 100 105 110
 Gly Ser Val Lys Arg Glu Asp Ile Phe Tyr Thr Ser Lys Leu Trp Ser
 115 120 125
 Asn Ser His Arg Pro Glu Leu Val Arg Pro Ala Leu Glu Arg Ser Leu
 130 135 140
 Lys Asn Leu Gln Leu Asp Tyr Val Asp Leu Tyr Leu Ile His Phe Pro

1001754106901

145 150 155 160
 Val Ser Val Lys Pro Gly Glu Glu Val Ile Pro Lys Asp Glu Asn Gly
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 Lys Ile Leu Phe Asp Thr Val Asp Leu Cys Ala Thr Trp Glu Ala Met
 180 185 190
 Glu Lys Cys Lys Asp Ala Gly Leu Ala Lys Ser Ile Gly Val Ser Asn
 195 200 205
 Phe Asn His Arg Leu Leu Glu Met Ile Leu Asn Lys Pro Gly Leu Lys
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 Tyr Lys Pro Val Cys Asn Gln Val Glu Cys His Pro Tyr Phe Asn Gln
 225 230 235 240
 Arg Lys Leu Leu Asp Phe Cys Lys Ser Lys Asp Ile Val Leu Val Ala
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 Tyr Ser Ala Leu Gly Ser His Arg Glu Glu Pro Trp Val Asp Pro Asn
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 Ser Pro Val Leu Leu Glu Asp Pro Val Leu Cys Ala Leu Ala Lys Lys
 275 280 285
 His Lys Arg Thr Pro Ala Leu Ile Ala Leu Arg Tyr Gln Leu Gln Arg
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 Gly Val Val Val Leu Ala Lys Ser Tyr Asn Glu Gln Arg Ile Arg Gln
 305 310 315 320
 Asn Val Gln Val Phe Glu Phe Gln Leu Thr Ser Glu Glu Met Lys Ala
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 340 345 350
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<210> 784

<211> 6353

<212> DNA

<213> Homo sapiens

<400> 784

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<210> 785

<211> 5502

<212> DNA

<213> Homo sapiens

<400> 785

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<210> 786
 <211> 108
 <212> PRT
 <213> Homo sapiens

<400> 786
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 20 25 30
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 35 40 45
 Gln Leu Lys Val Gly Ile Leu His Leu Gly Ser Arg Gln Lys Lys Ile
 50 55 60
 Arg Ile Gln Leu Arg Ser Gln Val Leu Gly Arg Glu Met Arg Asp Met
 65 70 75 80
 Glu Gly Asp Leu Gln Glu Leu His Gln Ser Asn Thr Gly Asp Lys Ser
 85 90 95
 Gly Phe Gly Phe Arg Arg Gln Gly Glu Asp Asn Thr
 100 105

<210> 787
 <211> 152
 <212> PRT

<213> Homo sapiens

<400> 787

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			20					25					30		
Asn	Asn	Glu	Glu	Gln	Val	Gly	Leu	Ala	Ile	Arg	Ser	Lys	Ile	Ala	Asp
		35					40					45			
Gly	Ser	Val	Lys	Arg	Glu	Asp	Ile	Phe	Tyr	Thr	Ser	Lys	Leu	Trp	Ser
	50					55					60				
Thr	Phe	His	Arg	Pro	Glu	Leu	Val	Arg	Pro	Ala	Leu	Glu	Asn	Ser	Leu
65					70				75						80
Lys	Lys	Ala	Gln	Leu	Asp	Tyr	Val	Asp	Leu	Tyr	Leu	Ile	His	Ser	Pro
			85						90					95	
Met	Ser	Leu	Lys	Pro	Gly	Glu	Glu	Leu	Ser	Pro	Thr	Asp	Glu	Asn	Gly
			100					105					110		
Lys	Val	Ile	Phe	Asp	Ile	Val	Asp	Leu	Cys	Thr	Thr	Trp	Glu	Ala	Met
		115					120					125			
Glu	Lys	Cys	Lys	Asp	Ala	Gly	Leu	Ala	Lys	Ser	Ile	Gly	Val	Ser	Asn
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<210> 788

<211> 1633

<212> DNA

<213> Homo sapiens

<400> 788

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<210> 789

<211> 200

<212> PRT

<213> Homo sapiens

<400> 789

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20      25      30
Glu Val Pro Val Asn Phe Ala Glu Phe Ser Lys Lys Cys Ser Glu Arg
35      40      45
Trp Lys Thr Met Ser Gly Lys Glu Lys Ser Lys Phe Asp Glu Met Ala
50      55      60
Lys Ala Asp Lys Val Arg Tyr Asp Arg Glu Met Lys Asp Tyr Gly Pro
65      70      75      80
Ala Lys Gly Gly Lys Lys Lys Lys Asp Pro Asn Ala Pro Lys Arg Pro
85      90      95
Pro Ser Gly Phe Phe Leu Phe Cys Ser Glu Phe Arg Pro Lys Ile Lys
100     105     110
Ser Thr Asn Pro Gly Ile Ser Ile Gly Asp Val Ala Lys Lys Leu Gly
115     120     125
Glu Met Trp Asn Asn Leu Asn Asp Ser Glu Lys Gln Pro Tyr Ile Thr
130     135     140
Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Val Ala Asp Tyr
145     150     155     160
Lys Ser Lys Gly Lys Phe Asp Gly Ala Lys Gly Pro Ala Lys Val Ala
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Glu Glu Glu Glu Glu Glu Asp Glu
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<210> 790

<211> 457

<212> DNA

<213> Homo sapiens

<400> 790

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<210> 791
 <211> 126
 <212> PRT
 <213> Homo sapiens

<400> 791
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 Gln Thr Gln Asn His Thr Ala Ser Pro Arg Ser Pro Val Met Glu Ser
 35 40 45
 Pro Lys Lys Lys Asn Gln Gln Leu Lys Val Gly Ile Leu His Leu Gly
 50 55 60
 Ser Arg Gln Lys Lys Ile Arg Ile Gln Leu Arg Ser Gln Cys Ala Thr
 65 70 75 80
 Trp Lys Val Ile Cys Lys Ser Cys Ile Ser Gln Thr Pro Gly Ile Asn
 85 90 95
 Leu Asp Leu Gly Ser Gly Val Lys Val Lys Ile Ile Pro Lys Glu Glu
 100 105 110
 His Cys Lys Met Pro Glu Ala Gly Glu Glu Gln Pro Gln Val
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<210> 792
 <211> 461
 <212> DNA
 <213> Homo sapiens

<400> 792
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 cagaagaaga tcaggataca gctgagatcc caggtgctgg gaagggaaat gcgcgacatg 240
 gaaggtgatc tgcaagagct gcatcagtca aacaccgggg ataaatctgg atttgggttc 300
 cggcgtcaag gtgaagataa tacctaaaga ggaacactgt aaaatgccag aagcaggtga 360
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<210> 793
 <211> 108
 <212> PRT
 <213> Homo sapiens

<400> 793
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 20 25 30
 Ala Ser Pro Arg Ser Pro Val Met Glu Ser Pro Lys Lys Lys Asn Gln
 35 40 45
 Gln Leu Lys Val Gly Ile Leu His Leu Gly Ser Arg Gln Lys Lys Ile
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<210> 794
<211> 970
<212> DNA
<213> Homo sapiens
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<210> 795
<211> 152
<212> PRT
<213> Homo sapiens
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			20					25					30			
Asn	Asn	Glu	Glu	Gln	Val	Gly	Leu	Ala	Ile	Arg	Ser	Lys	Ile	Ala	Asp	
		35					40					45				
Gly	Ser	Val	Lys	Arg	Glu	Asp	Ile	Phe	Tyr	Thr	Ser	Lys	Leu	Trp	Ser	
	50					55					60					
Thr	Phe	His	Arg	Pro	Glu	Leu	Val	Arg	Pro	Ala	Leu	Glu	Asn	Ser	Leu	
65					70					75					80	
Lys	Lys	Ala	Gln	Leu	Asp	Tyr	Val	Asp	Leu	Tyr	Leu	Ile	His	Ser	Pro	
				85					90					95		
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			100					105					110			
Lys	Val	Ile	Phe	Asp	Ile	Val	Asp	Leu	Cys	Thr	Thr	Trp	Glu	Ala	Met	
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 Phe Asn Pro Gln Ala Ala Gly Asp
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<210> 796
 <211> 2435
 <212> DNA
 <213> Homo sapiens

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<212> DNA
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 Val Lys Asp Cys Arg Gly Arg Val Leu Val His Cys Gln Ala Gly Ile
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 Ser Arg Ser Ala Thr Ile Cys Leu Ala Tyr Leu Met Met Lys Lys Arg
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 Val Arg Leu Glu Glu Ala Phe Glu Phe Val Lys Gln Arg Arg Ser Ile
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 Ile Ser Pro Asn Phe Ser Phe Met Gly Gln Leu Leu Gln Phe Glu Ser
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<213> Homo sapiens

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<210> 809
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 ctctcnaggc tctctanctc agggatgaag gaggtnaagt gatcgatnct cacaagcgan 540
 agctctcgcn cnatatctgc g 561

<210> 814
 <211> 307
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 2, 6, 9, 24, 26, 45, 46, 63, 64, 73, 81, 82, 91, 95, 138,
 148, 151, 188, 205, 206, 212, 223, 229, 234, 242, 245, 248,
 252, 258, 262, 270, 278, 280, 301
 <223> n = A,T,C or G

<400> 814
 cntcgngng ttggttgtgt gggntnttct cgggtgattg ggtggnatta ctggacccaa 60
 ccnncgtgga aanggctggg nncgcggcgc ntctngcaga agtatcccga tttttttttt 120

```

tttttttttt tttttgngg agggaaantt ncagacatag ctttattgct gactcctgcc 180
cccttcanag ccctagtcac aggcnnccagg gntgttttgt aanttaaant ttcnggaaaa 240
tngngtntt tntgcatnca anagaagggn tgccaaangn ggggtattgc ttctgggtgg 300
nttacc 307

```

```

<210> 815
<211> 784
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 596, 656, 727, 763, 768
<223> n = A,T,C or G

```

```

<400> 815
ggcacgagat ataatcagac tcttactcct gtacttctag aaatgatgca aacacttcaa 60
ggaccacaa atgtggaaga tatgaatgca ctgttaatca aagatgctgt gtataatgct 120
gttgattaa gctgcttatg agctctttga cagtgttgat tttgatcagt ggtttaaaaa 180
ccagcttctt ccagaattac aagtcattca caataggtat aagccattgc gacgcagggt 240
gatttggtc atcggtcagt ggatttctgt gaaattcaag tctgacttaa gacccatgct 300
ttatgaagca atctgtaact tgcttcaaga tcaagattta gtggccgtat tgaaacagct 360
acaactttga agttaactgt tgatgatttt gaatttagaa cagatcagtt tctaccgtat 420
ttggaaacca tgttcacact actttttcag ttactgcagc aagttacaga atgtgacaca 480
aagatgcatg ttttgcatgt cctttcttgt gtgatcgaaa gagtcaacat gcagatacga 540
ccatatgtgg gatgtttggg acaatatattg cccctccttt ggaagcagaa gtgaanaaca 600
caatatgttg agatgtgcta ttttgaccac acttattcat ctgggtcagg gattangagc 660
agacagcaag acctgtccct ttctgtctcc agttattcac tgagtaccag atgtttcaca 720
gccttcncat gtttattttt ctggaaaatg ggttaaaaat atnggtanga acctttggga 780
aaac 784

```

```

<210> 816
<211> 813
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 740, 788, 790, 798, 811
<223> n = A,T,C or G

```

```

<400> 816
ggcacgagca ggctgggaag aagtccttgc ttctcaaggc cacgtaccgg ccgcgtcctt 60
ccacccttgc cctttaaac acagatgcca aatgatacgc caacagacac tacattcccc 120
agcagctgct gccagagccc tcttgtagct tctttatttt ctgtttcttt ccagctttcc 180
taccctcta tcccccttg tgttgggcc acaattttga aataattttt attataggta 240
tgtgtgcca aagccagatt tttataagggt aaaataaatt aagaatttaa acagtaaaag 300
ccagtgtctc aaaatgtcag cattaaaatg tgaaggggac agcagggtgt gaaccggaaa 360
cacacattgc caaacagttg ccaactgaac tgctgcttct catgggtcgt tcttttcttt 420
gcccttaagg tcaatgccag tgtccagacg agcagtgtag aaaagctccc tgtgtgggtt 480
gtcgtgaggt ctgcttgat ctcttcaact gcgttagttt cattagctct ttattctcct 540
tacgttcgag tgaatctgcc aagaacactg gtggatagta ttatcctaac acttttggtt 600
tggtggcggt gagggggcag ggaatagtga gctggcttta ccaccttcag gatctcgaat 660
tggtgcgttg aacctaaaga agattgtgga cttatcaaaa gtcaccgctc agtggttcgtc 720

```

100774410000

aagcatgtat ttatgtgacn atcatactag ggaggggatg gttgggaatt cttccatgtg 780
 caaattnngn cccgcaanaa gcaaaactgg ngt 813

<210> 817
 <211> 229
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 30, 57, 102, 112, 124, 222
 <223> n = A,T,C or G

<400> 817
 gaaactttta cattaatgat ttattaaaaan aaacaactcc ttgtcccact ccactgngct 60
 gcttgtaatc tccatacatg gcctccattt tcaactgttt tnttggtcac anagctccaa 120
 acanacacat ttttttttcc aggtaaaagc tgtttttagt ttgtagtaca aatgtgactg 180
 catccaatac tgacacattg ttcctttggc ccacagtccc antcaccac 229

<210> 818
 <211> 781
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 355, 437, 539, 557, 569, 593, 608, 635, 636, 653, 654, 662,
 665, 674, 697, 699, 708, 724, 734, 743, 755, 763, 764, 769,
 775
 <223> n = A,T,C or G

<400> 818
 ggcacgaggt gtgtgtgtgt gtgtgtgtgt aacacatggg cattggtcct tccaggacaa 60
 cttgggttagg gctccagggt ggcctctcag gcaggaacag gcttttttcc tctgtcttt 120
 tctcacatc acgtcctgcc ccaggctact gcataaataa gtgctttgga aagtattcat 180
 ctagaaagta acataaatac tgtacataga aaaggggttg cgccccttag ccttcgcact 240
 gccccagaga gctctccaca tattgcacac ggcctcccca gccctgtggg gtccaggcct 300
 ggctgtgtct ttggtagaag cttcagggac agttcctggg cagccccccac atctncaccc 360
 tgctcccaaa ggggagctct agggtagtca gtgggtacca gaagccttgc tcggcctcgc 420
 tgggtggcctt ctaccangga tgctttcaca aggatgagac agaatcccaa tggtatgcc 480
 ctgcttggac actctgctca aggtctgcat gtggcctggg aggagacagg caggctgang 540
 gcaggtggac aggtgantcc tggccacana aggcaggctc acacccttca cangaatagg 600
 tggtttgngc tgcatctcg gccacggtc tcctnntgcg ccaccccccc ttnntgaatc 660
 gnaantcctc aaanccctta ccaccacttg atgaccnanc atttttangg cctggcttga 720
 agnggggggc cttnggcccc ccnaaggggg aaatncccc ggngaattnc ccaangggga 780
 a 781

<210> 819
 <211> 199
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

1003754-10901

<222> 2, 3, 4, 12, 20, 21, 22, 36, 37, 49, 76, 80, 83, 88, 157,
165, 167, 177

<223> n = A,T,C or G

<400> 819

```

cnnngtgga anggctgggn nngcggccgt tttcgngta gtatcgcgnt tttttttttt 60
tttttgtagg aggttntgcn gtnnttgnnt gctctctcaa attccaggaa ttgacttatt 120
taattaatgc ctgcaacctg tgctagcaaa tatttgnaca aaacnanttg tgttgngat 180
gttcttttgg gtcgggcag                                     199

```

<210> 820

<211> 211

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 2, 3, 128, 131, 150, 157, 159, 166, 172, 174, 180, 182,
185, 192, 202, 206

<223> n = A,T,C or G

<400> 820

```

nnnggcacga ggagagagag agagagagag agagagagag agagagagag agagagagag 60
agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag 120
agacagtntc ntgtgtgtct ctctgtctcn aagtacnnc tgaggntatct gntntctgtn 180
tntgngtaca cngtatctct cntgngcata t                                     211

```

<210> 821

<211> 952

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 2, 3, 29, 688, 692, 702, 742, 749, 767, 774, 786, 805,
815, 828, 835, 840, 842, 854, 864, 868, 871, 879, 889, 890,
895, 900, 904, 909, 912, 915, 926, 939, 944, 947

<223> n = A,T,C or G

<400> 821

```

nnntcaggct cctggatgag ccctgcgana gagggtagga gcacggagag agctgctgga 60
ggcagcagag caccaaggaa acatccagac atgcgcggcc cggcccatcc gctcccggaa 120
cagcaccaag acgaaatggg aaactacatg tccccagggt cgaggctgca ggggcagact 180
ctggtgtgaa caggggggat gtgaccacct aaggaaaagg tcacacctgt cttggtatca 240
ggggctcaag agctctcaaa aatgtaaggg gccgacagtc ccctgccccca ggcctgatca 300
caactccagg gtcctgaggt cagagtaaaag tgcagagggt tttaaacata accaaaattt 360
caggagaggg caattcttac ttgaaagagc aacaccctgg ggcgctgctt gccattactt 420
cctcatcttt agcaacacat ttgcttttca aggtgttcct tgtggaaaca cacatacaca 480
tagacacatg cccctcagat gtcccctgcc ccctgattag tagaatgtgg ggtttccaca 540
atgagcagaa actgatccaa ttttggttaa gtttgagaag ccctctgaat ttgggtggtt 600
ggcccaatgt aaataacttc gcagagatgg agggcattca aaacagggtc tgaaggatc 660
cagcctatct tggactttgt tctggaancc anggattcag cnttggccac ctgtgccagg 720
cttgcaaggc ctggtgtgaa cncccaaant ggcagcaaaa acaacanaca gccnctgcac 780
tttggnrtgga ccaacgtttg gcctnaacaa atctngcggg ttgggatntt cttgntttcn 840

```

cncccagggg accnaaaacc ccntacntg naataacct ttttttttnn aaccttttan 900
ccantgggnt tncnaaaaa acttgncccc ttttttttnc caanggnaaa at 952

<210> 822
<211> 587
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 264, 335, 366, 371, 410, 413, 416, 424, 438, 464, 477, 478,
497, 502, 509, 540, 575, 577, 581
<223> n = A,T,C or G

<400> 822
ggcacgagaa ctagtctcga gttttttttt ttttttttta acatttctga attttattat 60
ttttagggaa gacacgcagt ttcacaagaa acaatgattt ttctcaaaca atagaaaaaa 120
aggtcttttt gaaaaatcca ctgtcttaga tgaaaagtct acccagcaag cactggggca 180
gttctgagag tagaaaccag tgtgggtggaa gttacttata ggaagtctag tgcagaggtc 240
tccacaagtc ctgattagtt ctgnaaggct ccattgggcc agctcagggt aacagtggga 300
atgagctcac agacaaaggc aggcaccagt tcctntgccc gggatgcagg ctggctcact 360
ccccangcgg ntgcattctg cttcagactc atcaaactgc tgctgtccan ctncgncatg 420
actntgttga gaacatanaa ctctgctctc tggctttgct tcanctcctg gtgggcnnaa 480
ttctgcttag ccttctncac tntgaaggnt gggcttttaa cttttggatt tttttttccn 540
ggcaggggga accatgaatg gggtacatac ccacncnggg ntttggc 587

<210> 823
<211> 264
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 4, 7, 15, 17, 35, 38, 44, 53, 90, 105, 108, 115, 117,
121, 126, 128, 158, 176, 178, 184, 201, 221, 227, 229, 233,
239, 250
<223> n = A,T,C or G

<400> 823
ntcnatncct actangncaa actgactccg ccctnagnca cctngtggtc canggctgcg 60
gagctgcatg acagccttcc gcggggtctgn tggaaccccg acctntcntg gtgtntntcc 120
ntccncncc ccaacccgcc aagggcctgc ctttctnct gggcctttgc cagcgnntngg 180
ccanaccggg gccaaaccgg nccccgggca cattttaacc nagggcncnc ttntagaana 240
aaaccccggn tgatgttata aagg 264

<210> 824
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 7, 15, 17, 39, 60, 81, 98, 101, 110, 111, 138, 145, 174,
222, 250, 262, 311, 318, 332, 336, 345, 378, 406, 411, 414,

421, 426, 439, 447, 448, 450, 474, 479, 489, 494, 498, 505,
508, 510

<223> n = A,T,C or G

<400> 824

tcaagcngcc	cccantntga	tggatatctg	caaaattcnc	cctttcaccg	gccgcccgc	60
gcatgtctta	ttatacaaca	natccaactt	ccctaagngg	ntcacacatn	ntaaggtatt	120
gttaacaaaa	taggaaantc	tattngaact	aacaatcatc	tctttgaatc	tgcntatccc	180
attaaaagca	ttttcctcaa	tattcctcat	atcggttatg	gncaatggat	acccatctga	240
gctggttgan	ccctttaaat	tnattatact	taactttttg	aaggtgttta	tacccaaggg	300
acaaacctaa	ncaaccanca	gatatacttg	anggtntctc	ctgtnatttc	tcagattcca	360
atataccatt	ttgccttnac	acctacagcc	cttaggggca	tcctcnttcc	ncanaacaaa	420
ncattntcac	taagacagnc	tggggtntn	caccaatggc	taccaaacct	ctgnccgcna	480
cccaccgcnt	aaanggcnga	aattnccnan	ccacacgggt			520

<210> 825

<211> 2064

<212> DNA

<213> Homo sapiens

<400> 825

cgggtgcgctg	agcgccggag	gagcgtaggc	agggcagcgc	tggcgccagt	ggcgacagga	60
gccgcgcgac	cggcaaaaat	acacgggagg	ccgtcgccga	aaagagtccg	cggtcctctc	120
tcgtaaacac	actctcctcc	accggcgccct	ccccctccgc	tctgcgcgcc	gcccggctgg	180
gcgcccagag	ccgctccgac	tgctatgtga	ccgcgaggct	gcgggaggaa	ggggacaggg	240
aagaagaggc	tctcccgcgg	gagcccttga	ggaccaagtt	tgcggccact	tctgcaggcg	300
tcccttctta	gctctcgccc	gcccccttct	gcagcctagg	cggcccgggt	tctcttctct	360
tcctcgcgcg	cccagccgcc	tgggttcccc	gcgaccatgg	tgacgatgga	ggagctgcgg	420
gagatggact	gcagtgtgct	caaaaggctg	atgaaccggg	acgagaatgg	cggcgccgcg	480
ggcggcagcg	gcagccacgg	caccctgggg	ctgccgagcg	gcggcaagtg	cctgctgctg	540
gactgcagac	cgttctctgg	gcacagcgcg	ggctacatcc	taggttcggt	caacgtgcgc	600
tgtaacacca	tcgtgcggcg	gcgggctaag	ggctccgtga	gcctggagca	gacccgtccc	660
gccgagggag	aggtacgcgc	ccgcttgccg	tccggcctct	actcggcggt	catcgtctac	720
gacgagcgca	gcccgcgcgc	cgagagccct	cgcgaggaca	gcaccgtgtc	gctggtggtg	780
caggcgctgc	gccgcaacgc	cgagcgcacc	gacatctgcc	tgctcaaagg	cggctatgag	840
aggttttctt	ccgagtaccc	agaattctgt	tctaaaacca	aggccctggc	agccatccca	900
cccccggttc	ccccagtgcc	cacagagccc	ttggacctgg	gctgcagctc	ctgtgggacc	960
ccactacacg	accagggggg	tcctgtggag	atccttccct	tcctctacct	cggcagtgcc	1020
taccatgctg	cccggagaga	catgctggac	gccctgggca	tcacggctct	gttgaatgtc	1080
tcctcggact	gccc aaaacca	ctttgaagga	cactatcagt	acaagtgcac	cccagtgga	1140
gataaccaca	aggccgacat	cagctcctgg	ttcatggaag	ccatagagta	catcgatgcc	1200
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accatctgcc	tggcctacct	gatgatgaag	aaacgggtga	ggctggagga	ggccttcgag	1320
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cagttcagag	cccaggtgct	ggccaagctc	tgtgctgcgg	aggctgctag	cccctcgga	1440
cccctgcggg	agcgggggcaa	gacccccgcg	acccccacct	cgcagttcgt	cttcagcttt	1500
ccggtctccg	tgggcgtgca	ctcggcccccc	agcagcctgc	cctacctgca	cagccccatc	1560
accactctc	ccagctgtta	gagccgccc	gggggcccc	gaaccagagc	tggctcccag	1620
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gccgcagcag	ccagggaaga	ccttggtttg	gtttatgtgt	cagtttcaact	tttccgatag	1860
aaatttctta	cctcattttt	ttaagcagta	aggcttgaag	tgatgaaacc	cacagatcct	1920
agcaaatgtg	cccaaccagc	tttactaaag	ggggaggaag	ggaggggcaa	gggatgagaa	1980

gacaagtttc ccagaagtgc ctggttctgt gtacttgtcc ctttgttgtc gttgtttag 2040
 ttaaaggaat ttcatttttt aaaa 2064

<210> 826
 <211> 2109
 <212> DNA
 <213> Homo sapiens

<400> 826
 tggcgccagc ggcgacagga gccgcgcgac cggcaaaaat acacgggagg ccgtcgccga 60
 aaagagtccg cggtcctctc tcgtaaacac actctcctcc accggcgccct cccctccgc 120
 tctgcgcgcc gcccggttg ggcgccgagg ccgtcccgac tgctatgtga ccgcgaggct 180
 gcgggaggaa ggggacaggg aagaagaggc tctcccgagg gagcccttga ggaccaagt 240
 tgcggccact tctgcaggcg tcccttctta gctctgcct gccctttct gcagcctagg 300
 cggcccagggt tctcttctct tctcgcgcg cccagccgcc tcggttcccg gcgaccatgg 360
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 gcctggagca gacctgccc gccgaggagg aggtacgcgc ccgcttgccg tccggcctct 660
 actcggcgggt catcgtctac gacgagcgca gccgcgcgc cgagagcctc cgcgaggaca 720
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 tgctcaaagg cggctatgag aggttttct cccagtagcc agaattctgt tctaaaacca 840
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 cgggcatctc gcggtcggcc accatctgcc tggcctacct gatgatgaag aaacgggtga 1260
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 cgcagttcgt cttcagctt cccgtctccg tgggcgtgca ctccggcccc agcagcctgc 1500
 cctacctgca cagcccatc accacctctc ccagctgtta gagccgccct gggggcccca 1560
 gaaccagagc tggctcccag caagggtagg acgggcccga tgcgggcaga aagttgggac 1620
 tgagcagctg ggagcaggcg accgagctcc tccccatca tttctccttg gccaacgacg 1680
 aggccagcca gaatggcaat aaggactccg aatacataat aaaagcaaac agaactctc 1740
 aacttagagc aataacggct gccgcagcag ccagggaaga ccttggtttg gtttatgtgt 1800
 cagtttctact tttccgatag aaatttctta cctcatttt ttaagcagta aggttgaag 1860
 tgatgaaacc cacagatcct agcaaatgtg cccaaccagc tttactaaag ggggaggaag 1920
 ggagggcaaa gggatgagaa gacaagtttc ccagaagtgc ctggttctgt gtacttgtcc 1980
 ctttgttgtc gttgtttag ttaaaggaat ttcattttt aaaagaaatc ttcgaagggtg 2040
 tggttttcat ttctcagtca ccaacagatg aataattatg cttaataata aagtatttat 2100
 taagacttt 2109

<210> 827
 <211> 394
 <212> PRT
 <213> Homo sapiens

<400> 827
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Arg Leu Met Asn Arg Asp Glu Asn Gly Gly Gly Ala Gly Gly Ser Gly
 20 25 30
 Ser His Gly Thr Leu Gly Leu Pro Ser Gly Gly Lys Cys Leu Leu Leu
 35 40 45
 Asp Cys Arg Pro Phe Leu Ala His Ser Ala Gly Tyr Ile Leu Gly Ser
 50 55 60
 Val Asn Val Arg Cys Asn Thr Ile Val Arg Arg Arg Ala Lys Gly Ser
 65 70 75 80
 Val Ser Leu Glu Gln Ile Leu Pro Ala Glu Glu Glu Val Arg Ala Arg
 85 90 95
 Leu Arg Ser Gly Leu Tyr Ser Ala Val Ile Val Tyr Asp Glu Arg Ser
 100 105 110
 Pro Arg Ala Glu Ser Leu Arg Glu Asp Ser Thr Val Ser Leu Val Val
 115 120 125
 Gln Ala Leu Arg Arg Asn Ala Glu Arg Thr Asp Ile Cys Leu Leu Lys
 130 135 140
 Gly Gly Tyr Glu Arg Phe Ser Ser Glu Tyr Pro Glu Phe Cys Ser Lys
 145 150 155 160
 Thr Lys Ala Leu Ala Ala Ile Pro Pro Pro Val Pro Pro Ser Ala Thr
 165 170 175
 Glu Pro Leu Asp Leu Gly Cys Ser Ser Cys Gly Thr Pro Leu His Asp
 180 185 190
 Gln Gly Gly Pro Val Glu Ile Leu Pro Phe Leu Tyr Leu Gly Ser Ala
 195 200 205
 Tyr His Ala Ala Arg Arg Asp Met Leu Asp Ala Leu Gly Ile Thr Ala
 210 215 220
 Leu Leu Asn Val Ser Ser Asp Cys Pro Asn His Phe Glu Gly His Tyr
 225 230 235 240
 Gln Tyr Lys Cys Ile Pro Val Glu Asp Asn His Lys Ala Asp Ile Ser
 245 250 255
 Ser Trp Phe Met Glu Ala Ile Glu Tyr Ile Asp Ala Val Lys Asp Cys
 260 265 270
 Arg Gly Arg Val Leu Val His Cys Gln Ala Gly Ile Ser Arg Ser Ala
 275 280 285
 Thr Ile Cys Leu Ala Tyr Leu Met Met Lys Lys Arg Val Arg Leu Glu
 290 295 300
 Glu Ala Phe Glu Phe Val Lys Gln Arg Arg Ser Ile Ile Ser Pro Asn
 305 310 315 320
 Phe Ser Phe Met Gly Gln Leu Leu Gln Phe Glu Ser Gln Val Leu Ala
 325 330 335
 Thr Ser Cys Ala Ala Glu Ala Ala Ser Pro Ser Gly Pro Leu Arg Glu
 340 345 350
 Arg Gly Lys Thr Pro Ala Thr Pro Thr Ser Gln Phe Val Phe Ser Phe
 355 360 365
 Pro Val Ser Val Gly Val His Ser Ala Pro Ser Ser Leu Pro Tyr Leu
 370 375 380
 His Ser Pro Ile Thr Thr Ser Pro Ser Cys
 385 390

<210> 828

<211> 453

<212> DNA

<213> Homo sapiens

<400> 828
 ggatcattta attgcatact ctatgaccac gcacatgtaa agcccccttct gcaaaaagaga 60
 cctaaaccag atgagaagta ttattcatcc agcatatggg gaccaacatg tgatggcctc 120
 gatcggattg ttgagcgctg tgacctgcct gaaatgcatg tgggtgattg gatgctcttt 180
 gaaaacatgg gcgcttacac tgttgctgct gcctctacgt tcaatggctt ccagaggccg 240
 acgatctact atgtgatgtc agggcctgcg tggcaactca tgcagcaatt ccagaacccc 300
 gacttcccac ccgaagtaga ggaacaggat gccagcacc tgcctgtgtc ttgtgcctgg 360
 gagagtggga tgaacgccca cagagcagcc tgtgcttcgg ctagtattaa tgtgtagata 420
 gcactctggt agctgttaac tgcaagttta gct 453

<210> 829
 <211> 452
 <212> DNA
 <213> Homo sapiens

<400> 829
 ctggggccacg aggacaccac cagcttggat cggcctcgcc gtgtggaata cttttagat 60
 aagcaactcc aagtaaaggc tgtcacctgt gggcctgga acacctacgt gtatgctgtg 120
 gagaaaggga agagctgaca tgtgtacgta tatgtatatg caacacctgt gagaccccca 180
 ttcagggtcaa ggaaaaccgt tgctgcacc ccaagggcc catatttgcc cctccccatc 240
 acagtccctgc ccttcaccct caagcacggt cctaaacttg tctgcacttt agaaacacct 300
 ggagagcatt gaaaactctg ctgcctaagg tcagcatcaa tcaaaacaat gaaatcaatg 360
 aaacaatgaa accagagctt ctagggtgtg ggcctggata gtggtagatt caaagctcca 420
 cccacctcat cccaggtaca tttgatgtgc ag 452

<210> 830
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 830
 ctgaccccc tttgtccaca gctaagatgg cagcagaatg ctatgtcact atatacagaa 60
 acaagacaac ctgaagctaa atggatgccc cctgcagagt caacaggctc agcctcacag 120
 tgcacgccct gagctacagc ctctccaaa aggcattctc cccacagcct caacgccgag 180
 caaggagcat caagggtttg tctcggttgt tttgttcttt ttacaaacta tagatatata 240
 cagttgaaaa ctcaggattt ctagccaata accatagtta ccaccacctt acaaataaaa 300
 agaaaatgcc agaaacatct ttaaattgct tgtcacacca acagcaaagt gcacagagtg 360
 aggagaacac gagagtgcct tttcatttta aaaatgtttg gaaatatgta caactttgat 420
 acagtttcag ggtgctccag acacccatgg 450

<210> 831
 <211> 395
 <212> DNA
 <213> Homo sapiens

<400> 831
 ctctaaaccc ctccacattc ccgcggtcct tcagactgcc cggagagcgc gctctgcctg 60
 ccgcctgcct gcctgccact gagggttccc agcaccatga gggcctggat cttctttctc 120
 ctttgcctgg ccgggagggc cttggcagcc cctcagcaag aagccctgcc tgatgagaca 180
 gaggtggtgg aagaaactgt ggcagaggtg actgaggtat ctgtgggagc taatcctgtc 240
 caggtggaag taggagaatt tgatgatggt gcagaggaaa ccgaagagga ggtggtggcg 300
 gaaaatccct gccagaacca cactgcaaa cacggcaagg tgtgcgagct ggatgagaac 360
 aacaccccca tgtgcgtgtg ccaggacccc accag 395

<210> 832
 <211> 291
 <212> DNA
 <213> Homo sapiens

<400> 832
 ctgactcttc catctgtgca ggttgactga ggtcattcct gagttgcagt atgttgagag 60
 ggtaaatattt ctgtcttctc taactcccca tactcccttg tcttccactc tccacttagg 120
 agttttttgt gagttatgtc cttgttgctt ttgcctcttt ttctttctag ccttgattgt 180
 gccagaagac aatgtcccta ttcacacact ctttctgctt ttctgtgggc aggaacatgg 240
 aaggggtgct gatggacgtg gactgtgaga gcgtctacc cactgtgtag g 291

<210> 833
 <211> 491
 <212> DNA
 <213> Homo sapiens

<400> 833
 ctgtagcttc tgtgggactt ccactgctca ggcgtcaggc tcaggtagct gctggccgcg 60
 tacttggtgt tgctttgttt ggaggggtgt gtggtctcca ctccgcctt gacggggctg 120
 ctatctgcct tccaggccac tgtcacggct tccgggtaga agtcacttat gagacacacc 180
 agtgtggcct tgttggcttg aagctcctca gaggagggcg ggaacagagt gaccgagggg 240
 gcagccttg gctgacctag gacggtcagc ttggtccctc cgccgaagac cacattattg 300
 ccgtcccacg tctgacagta atagtcagcc tcatccatag cctgggtccc gctgatggtc 360
 agagtggctg tgttcccaga gttggagcca gagaagcgct cagggatccc tgaagaccgc 420
 ttattatctt gataaatgac taccacaggg gactggcctg gcttctgttg ataccaaaa 480
 gcagatacct g 491

<210> 834
 <211> 308
 <212> DNA
 <213> Homo sapiens

<400> 834
 ctggctcagg tccacgcgcg ggtaggtgaa cttgcggaag gtccgcttct tcttctgctc 60
 tacttctgcc gtgctggaga acatcgaact gaacaagaag agtatgtatt cccgtgtgcc 120
 agagtgccag gtcaccacat actattatgt tgggttcgca tatttgatga tgcgtcggtta 180
 ccaggatgcc atccgggtct tcgccaacat cctcctctac atccagagga ccaagagcat 240
 gttccagagg accacgtaca agtatgagat gattaacaag cagaatgagc agatgcatgc 300
 gctgctgg 308

<210> 835
 <211> 472
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 365, 402, 406
 <223> n = A,T,C or G

<400> 835
 ctgacatggt aactgtgatg cataaaactc gatcttctga tggggagtaa gtgcagaagg 60

1007452001

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tagaaatctc cgccccgcgg gggcttatct gtactggtag ttcattgctgt ggtctgcgtt 120
tctgccatag ccgccttgtg aggactggta ggagctggga gggccactgt agttctggcc 180
ggaccccggg gagttgtagt tccactgtga gtagcctcct tgtttgcctt ggtatgagga 240
gccgccccca gaacctccgc cgtagcccc gtgtgacctt gggttgtagg atgccccgcc 300
tgagccgtag ctgttcccg cgttcggcc tccactacca ctgtagtga atttgctctc 360
gtagntgtag tcggatccgc ccccgcccc gggagagttg tngganttcg agtaggagta 420
gctgccttgt ccatggttat agcctttctg cttgccctgt ggagggccat ag 472

```

```

<210> 836
<211> 354
<212> DNA
<213> Homo sapiens

```

```

<400> 836
ccagtgaac cttcagatag acacatgggtg accagagccc gccaggcttc tgcaggtggc 60
agtgtcgagc aagtgtgaaga tgtctgtggg aaggagaagc tcctgaaatg aacgttctgc 120
aaacagaagg ctgagggggtc ttccaggcat gtccagtcac taggagctgc caccggtggg 180
cttgagtgc aggctctagg ctttgtgcag aaagcaccgc gggcgggggg cggtaaaggga 240
gagcaaatg ggtctctctc aactgcagtc agtgctcctg ggaacacggt ctcacagaca 300
gcacatattc tacgtcacag ctctagggtt tcaaggactt agccatccga cagg 354

```

```

<210> 837
<211> 318
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 282
<223> n = A,T,C or G

```

```

<400> 837
ctgaaaatga aggtaattaa aaccatggag gcgatcagcg aggttctcca ggaccttagg 60
tttgatgcgg aatctgccga gtgatggcgg ctccccaggg atgcgccgag ggagatggga 120
aacggggcgg atggcgccca gccagccct aactgccagc cacattgaag cggacattgg 180
caaccgggtc cccagccatg cgcagaaccg tgggtagcat gtgcttggtg gtgatgtcct 240
gccacagac ctcagacggc acattgatgc agaagagcgt antcatgcgg tgcaggtagt 300
tggggtctcc ggacatgg 318

```

```

<210> 838
<211> 277
<212> DNA
<213> Homo sapiens

```

```

<400> 838
ctgcgcgtcg ccaaagtgaac aggcggtgcg gcctccaagc tctctaagat ccgagtcgtc 60
cggaatcca ttgccgtgt tctcacagtt attaaccaga ctcagaaaga aaacctcagg 120
aaattctaca agggcaagaa gtacaagccc ctggacctgc ggcctaagaa ggcacgtgcc 180
atgcgccgcc ggtcaacaa gcacgaggag aacctgaaga ccaagaagca gcagcggaag 240
gagcggctgt acccgctgcg gaagtacgcg gtcaagg 277

```

```

<210> 839
<211> 276
<212> DNA

```

F06207.4 "F06207"

<213> Homo sapiens

<400> 839
 ccaaggaatg caggctgtac tatctgcgaa atggagaacg tatttcagtg tcggcagcct 60
 ccaagctgct gtccaacatg atgtgccagt accggggcat gggcctctct atgggcagta 120
 tgatctgtgg ctgggataag aagggtcctg gactctacta cgtggatgaa catgggactc 180
 ggctctcagg aaatatgttc tccacgggta gtgggaacac ttatgcctac ggggtcatgg 240
 acagtggcta tcggcctaata cttagccctg aagagg 276

<210> 840

<211> 453

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 387

<223> n = A,T,C or G

<400> 840
 ccttctttgc catgaccaag ctctttcagt ccaatgatcc cacactccgt cggatgtgct 60
 acttgaccat caaggagatg tcttgcatg cagaggatgt catcattgtc accagcagcc 120
 taacaaaaga catgactggg aaagaagaca actaccggg cccggccgtg cgagccctct 180
 gccagatcac tgatagcacc atgctgcagg ctattgagcg ctacatgaaa caagccattg 240
 tggacaaggt gccagtgctc tccagctctg ccctcggtgc ttccttgcac ctgctgaagt 300
 gcagctttga cgtgggtcaag cgctgggtga atgaggctca ggaggcagca tccagtata 360
 acatcatggt ccagtaccac gcactanggc tcctgtacca tgtgcgtaag aatgaccgcc 420
 tagccgtcaa taagatgata agcaaggctg cac 453

<210> 841

<211> 142

<212> DNA

<213> Homo sapiens

<400> 841
 agcctctcta gtggcagagc agctcacact cctccgctg ggaacgatgg cttctgccta 60
 gtacctatcc ttgtgtttct gatgcagtgg tagcattggt tcaagttctc tcctgctgtg 120
 gtcagagttg cttcagtggt gg 142

<210> 842

<211> 83

<212> DNA

<213> Homo sapiens

<400> 842
 cctaaaagca gccaccaatt aagaaagcgt tcaagctcaa caccactac ctaaaaaatc 60
 ccaaacatat aactgaactc ccc 83

<210> 843

<211> 482

<212> DNA

<213> Homo sapiens

<400> 843

283

```
<210> 844
<211> 534
<212> DNA
<213> Homo sapiens
```

<400> 844							
ccagattttt	caagttttaa	ggaggaaact	gcttatttga	aggaactttc	cttgaagtat		60
aagcaaagct	tccaggaagc	tcgggatgag	ctagtgtgaat	tccaggaagg	aagcagagaa		120
ttagaagcag	agttggaggc	acaattagta	caggctgaac	aaagaaatag	agacttgca		180
gctgataacc	aaagactgaa	atatgaagcg	gaggcattaa	aggagaagct	agagcatcaa		240
tatgcacaga	gctataagca	ggtctcagtg	ttagaagatg	atttaagtca	gactcgggcc		300
attaaggagc	agttgcataa	gtatgtgaga	gagctggagc	aggccaacga	cgacctggag		360
cgagccaaaa	gggcaacaat	agtttctactg	gaagactttt	gaacaaaaggc	taaaccaggc		420
cattgaacga	aatgcatttt	tagaaagttg	aacttgatga	aaaaggaatc	tttgttggtc		480
tctgtacaga	ggttnaagga	tgaagcanga	gatttaaggc	aagaactagc	agtt		534

```
<400> 845
tcgacctgtg gcaaatgtgg ctaccctgcc aagcgcaaga gaaagtataa ctggagtgcc 60
aaggctaaaa gacgaaatac caccggaact ggtcggatga ggcacctaaa aattgtatac 120
cgcagattca ggcattggatt ccgtgaagga acaacaccta aacccaagag ggcag 175
```

```
<400> 846
cgcggtggaca gttgcgaggg gtctgtgtga aggcacttgt cagcagcttc aatactgccg 60
ccgtcccagg atggggagaac tgcgcagcag gaagggcact tctgaaagca cagtggagag 120
atcgctggag cgggcgttct gggcaggagg aagcacagac ggcaggcagg gtggactgg 179
```

<210>	847
<211>	410
<212>	DNA

<213> Homo sapiens

<400> 847

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ccacccaaaac cagtcacaag acctggagtt gtctgtgcag atgtacgccc aagccgccct 60
ggatggagac tcccagggat tttttaacct ggccctgcta atcgaggag gtacgataat 120
cccacacccat atcttggatt tcttggaaat tgactcaact ctccattcta ataacatctc 180
cattctccag gaactgtacg aaaggtgctg gagccacagt aacgaggagt ccttcagccc 240
ctgctccttg gcctggcttt acctgcactt gcggcttctc tggggtgcta tcctgcactc 300
agccctgata tactttcttg gaacctttct gctatccata ttgatcgccct ggactgtgca 360
gtatttccag tctgtctcag caagcgatcc ccctccaaga ccatcccagg 410
```

<210> 848

<211> 557

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 508

<223> n = A,T,C or G

<400> 848

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cacgggcccc cagccctgtg tcggccttgt ctgtctcagc tcaaccacag tctgacacca 60
gagcccactt ccatcctctc tgggtgtgag cacagcgagg gcagcatctg gaggagctct 120
gcagcctcca cacctaccac gacctcccag ggctgggctc aggaaaaacc agccactgct 180
ttacaggaca gggggttgaa gctgagcccc gcctcacacc cacccccctg cactcaaaga 240
ttggatttta cagctacttg caattcaaaa ttcagaagaa taaaaaatgg gaacatacag 300
aactctaaaa gatagacatc agaaattggt aagttaagct tttcaaaaa accagcaatt 360
ccccagcgta gtcaagggtg gacactgcac gctctggcat gatgggatgg cgaccgggca 420
agctttcttc ctcgagatgc tctgtgctt gagagctatt gctttgttaa gatataaaaa 480
gggggtttctt tttgtcttct tgtaaggngg acttcagct tttgattgaa agtcctaggg 540
tgattctatt tctgctg 557
```

<210> 849

<211> 525

<212> DNA

<213> Homo sapiens

<400> 849

```
ctgatggttt ggaaatgaga gaactacagt ggtgaagaga ccaggaggca gctctcagtg 60
aaaccaacat tgcggatgcc cttcgtgagc cttctcagtc ccagcaggaa gccacaaca 120
ctggcctccc cagcctgcct gctgacaaca cctaggctta ctttatctaa aatcagagtg 180
taccaggtct gtagcagaaa ataatacaact aaatgtcagg gacctatgag tcatttaaaa 240
caaaagagga agtgaaagcc attaggcaag ctatgtgctg ggctgctaac gtagcccttg 300
cagggagggg tcaggagcgc gctgcagtga gccttgggtc tcgcaggccc agccctgctg 360
caaggagcca gggcaccag gaaacatcag cacacacaca cacagggacc ctcccttcat 420
gtcacttggt ttgctgcctt aaatggcttc ttgcacccta acccctgatc ctggaagaag 480
gcagagagac tggcccgtac agagacctgc aattctacgc aagct 525
```

<210> 850

<211> 384

<212> DNA

<213> Homo sapiens

<400> 850
 cctcttggag cacatccttt actgcattgt ggacagcgag tgtaagtcaa gggatgtgct 60
 ccagagttac tttgacctcc tgggggagct gatgaagttc aacgttgatg cattcaagag 120
 attcaataaa tatatcaaca ccgatgcaaa gttccaggta ttcttgaagc agatcaacag 180
 ctccctggtg gactccaaca tgctggtgcg ctgtgtcact ctgtccctgg accgatttga 240
 aaaccagggtg gatatgaaag ttgccgaggt actgtctgaa tgccgcctgc tcgcctacat 300
 atcccagggtg cccacgcaga tgctcttctt cttccgcctc atcaacatca tccacgtgca 360
 gacgctgacc caggagaacg tcag 384

<210> 851
 <211> 423
 <212> DNA
 <213> Homo sapiens

<400> 851
 ctccaggaaaa accagccact gctttacagg acaggggggtt gaagctgagc cccgcctcac 60
 acccaccctcc atgcactcaa agattggatt ttacagctac ttgcaattca aaattcagaa 120
 gaataaaaaa tgggaacata cagaactcta aaagatagac atcagaaatt gttaagttaa 180
 gctttttcaa aagatcagca attccccagc gtagtcaagg gtggacactg cacgctctgg 240
 catgatggga tggcgaccgg gcaagctttc ttctctgaga tgctctgctg cttgagagct 300
 attgctttgt taagatataa aaaggggttt ctttttgtcc ttctgtaagg tggacttcca 360
 gcttttgatt gaaagtccta ggggtgattct atttctgctg tgatttatct gctgaaagct 420
 cag 423

<210> 852
 <211> 413
 <212> DNA
 <213> Homo sapiens

<400> 852
 ctgaaaacag tgggaggcca gatgctggca tcttcagac gggagcatag ccatggtcac 60
 tctageccgat gtctcctggg gctctcaggc ggcaaggacc agatgcacca ctactgtcca 120
 atcccagttt tacttagagc cactcctttt tttggggcca ttagtctta ttatcatgcca 180
 gattttcact agcggctccc tgttcttcca aatcaattca tgaccgtaag taacatacca 240
 tattccaaaa agagctcccc caagatgtgc cgcgatgata aaaaatttcc atcccaggat 300
 cattcctgct gtatccatgg cgataatggc tttcagggca ttccctgctg tgaacgtgaa 360
 catcggaagg aaaataatgg caagcctccc ttctgggatc ttagtgacaga cag 413

<210> 853
 <211> 288
 <212> DNA
 <213> Homo sapiens

<400> 853
 atctgtgagt tctgagaggc atttaggcca tgggacaggg aggatcctgt ctggccttca 60
 gtttccatcc ccaggatcca cttggtctgt gagatgctag aactcccttt caacagaatt 120
 cacttgtggc tatttagagct ggaggcacc ttagccactt cattccctg atgggccctg 180
 actcttcccc ataactactg accagccttg acaactcccc tgcaaaccat cccagcactg 240
 caccacaggc agccactcct agccttggcc tttggcatga gatggggg 288

<210> 854
 <211> 427
 <212> DNA
 <213> Homo sapiens

<400> 854
 ccaagtgaga tcagccctca agggcacatg ccaagggcag agcagcccat gtagacagct 60
 tcggagggca tgggggtgta gggagttcgg ggtagctcct cattaactat ttgttgggtg 120
 agtaaagggg tgaggctcag tggcaggtag ctctgcaatg acaagctgcc tcccctctat 180
 gtgttttagca tatgttatta gaacgtgtcc gacacccta ccgctgccat ttgggccctt 240
 taataaagcc aagtagagaa atctggcaat aaaaggcaaa tgtaagcatg ctttctttaa 300
 gacgcatcat aaatggtttt ctttaagtga atggaagagt ttgacagaga tacacctttg 360
 taagaaaaca ttaagaatgc tggctgactg tggtaggctca cacctgtatt cccagcactt 420
 tgggagg 427

<210> 855
 <211> 311
 <212> DNA
 <213> Homo sapiens

<400> 855
 ccagtattcc tggaggatat aacactgaca tcagcagggt tttcaatggc aacaattgca 60
 cgagctgccg gcagaagctt ctcccaggtc ctcttgagat ttatgatata gatgccatca 120
 cttttccttt tatagatgta ctgttccatc tggaagtcaa gattggtgcc acctaagtgg 180
 gttcctgctg caagggaactt aaggacatcc tctccttca tttgcaggac atcaagggct 240
 ccggacattg tgaaagtttc cttttaagtt acgacgggaa tccagaacaa cgccgtatgg 300
 acccctctgc a 311

<210> 856
 <211> 328
 <212> DNA
 <213> Homo sapiens

<400> 856
 cctatggaag tttggtgctt tgctccctgt gtttgcgaaa caggatatctc gtgatttcag 60
 aaaagcttga ggagattaag tctttccggg agctgacctg cctggatctt tcctgttgca 120
 agcttggaag tgagcatgaa cttctagaac atctcaccaa tgaagccctg tctagtgtaa 180
 ctacgctcca cctgaaggat aattgtctat ctgatgctgg ggtgcggaag atgacagcac 240
 cagttcgagt gatgaaaaga ggtatccaat gcctgcactc gtgatctcag ggttacatga 300
 taagtctaata aatgttagat tctcaagg 328

<210> 857
 <211> 502
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 473
 <223> n = A,T,C or G

<400> 857
 ctgaccggac cggatcatgcc cgtccggaac gtctataaga aggagaaagc tcgagtcac 60
 actgaggaag agaagaattt caaagccttc gctagtctcc gtatggcccg tgccaacgcc 120
 cggctcttcg gcatacgggc aaaaagagcc aagggaagccg cagaacagga tgttgaaaag 180
 aaaaaataaa gccctcctgg ggacttggaa tcagtccgga gtcattgctg gtctccacgt 240
 ggtgtgtttc gtgggaacaa ctgggcctgg gatggggctt cactgctgtg acttcctcct 300
 gccaggggat ttggggcttt cttgaaagac agtccaagcc ctgggataatg ctttactttc 360

10017541001

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<210> 858
<211> 411
<212> DNA
<213> Homo sapiens
```

```
<210> 859
<211> 232
<212> DNA
<213> Homo sapiens
```

```
<210> 860
<211> 235
<212> DNA
<213> Homo sapiens
```

[illegible]

```
<400> 861
ccaaaggaaa gttggaaggc aactgacaga ttctgccttt taggtacttg aactggcagg 60
aaatgcatca aaagacttaa aggtaaagcg tattaccctt cgtcacttgc aacttgctat 120
tcgtggagat gaagaattgg attctctcat caaggctaca attgctggtg gtggtatggt 180
```

```
<210> 862
<211> 561
<212> DNA
<213> Homo sapiens
```

```
<210> 863
<211> 291
<212> DNA
<213> Homo sapiens
```

```
<210> 864
<211> 265
<212> DNA
<213> Homo sapiens
```

```
<210> 865
<211> 144
<212> DNA
<213> Homo sapiens
```

<400> 865
cctccacctg cgttttgatc tagatgagca tattgtccat ctcccacagc ttgctccggt 60

tccgcaggta cgcccgcccg tgctcgcgcg tcagcgacgc gatgtcctcg cgcattctcgt 120
tgatgaccgg gagcagaaac tgct 144

<210> 866
<211> 241
<212> DNA
<213> Homo sapiens

<400> 866
ctggctgtaa gtagcttcat agcaccagtc tttgagaatg tcaagctctc cagaaatcat 60
ggcctccagg acattgggga tgatgtcggt ctcgcactgt ttcagaaacc ggtccttgct 120
aaaggccggg tccacccgga ggaatccgt gagcacctcc gacatctctg tcttgagaa 180
caggccccc agcaagtcgg tgacctgtc cgtaagggcc cgggatgcc ggatgaacgc 240
g 241

<210> 867
<211> 364
<212> DNA
<213> Homo sapiens

<400> 867
cctgggcccg ctgaattcag ggtgaggcca cagctactgc agcgcttttt atttatttat 60
ttatttactg agatggagtc ttgctctgtc acccaggctg gagtgcagtg gtgcaatctc 120
ggctcactgc aacctctgcc tcctgggctg cagtgtattct cctgcgttca agtaattctc 180
ctgcctcggc cttctgagta gttgggatta caggcatatg ccaccacact tggctaattt 240
ttcgtatttt tagtagaaat ggggtttcac catgttggcg aggtcgttct cgaactcctg 300
acctcaagga tcctcctgcc tcggcctcct aagtgctggt gattgcaggt gtgagccacc 360
acgt 364

<210> 868
<211> 472
<212> DNA
<213> Homo sapiens

<400> 868
ccaccagtcc acagatgtga ctggtaaggg atctagtaac agaggatgga gttgggcaga 60
atattatcct ggatgatatg caccagcac taggatacac ctttcattag aatgaagaga 120
acagacaaag ccctcagaaa agatacaaag gcagagacat tgattagaac attatctcat 180
aacagagggtg gggccattac ccaccattat tgtaaaataa ctgtaactaa ccaaaacaca 240
tacaggcttc tttaatggag ttaataaaac tatggcacat tgggaatcag gggcagagggt 300
actgttccca gacggaaaac tgggataaag ggagccatgc tgacagggcc ttattccagt 360
ctaggttggt agaaaggagc cctagcccag aaatgacagc aaatagccat aatcattatg 420
tggggctgaa ccagaggaag ccaggctgag ccaagaagct ggaagtatct tg 472

<210> 869
<211> 368
<212> DNA
<213> Homo sapiens

<400> 869
cctttcttgt aagtgaagaa aaaggaatgc agcaaagaag agttcgacat tggagtcctt 60
agttccatca ggatccatt cgcagccttt agcatcatgt agaagcaaac tgcacctatg 120
gctgagatag gtgcaatgac ctacaagatt ttgtgttttc tagctgtcca ggaaaagcca 180
tcttcagtct tgctgacagt caaagagcaa gtgaaccat ttccagccta aactacataa 240

```

aagcagccga accaatgatt aaagacctct aaggctccat aatcatcatt aaatatgccc 300
aaactcattg tgacttttta ttttatatac aggattaaaa tcaacattaa atcatcttat 360
ttacatgg                                     368

```

```

<210> 870
<211> 411
<212> DNA
<213> Homo sapiens

```

```

<400> 870
ggcgtgtcct tggacttaga gagtggggac gtcgggcttc ggagcgggag tgttcgttgt 60
gccagcgact aaaaagagaa ttaaatatgg gtgatgttga gaaaggcaag aagattttta 120
ttatgaagtg ttcccagtcg cacaccgttg aaaagggagg caagcacaag actgggcca 180
atctccatgg tctctttggg cgggagacag gtcaggcccc tggatactct tacacagccg 240
ccaataagaa caaaggcatc atctggggag aggatacact gatggagtat ttggagaatc 300
ccaagaagta catccctgga acaaaaatga tctttgtcgg cattaagaag aaggaagaaa 360
gggcagactt aatagcttat ctcaaaaaag ctactaatga gtaataattg g 411

```

```

<210> 871
<211> 385
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 13, 14, 15, 27, 108, 113, 159, 199, 215, 221, 229, 245, 258,
260, 277, 284, 293, 309, 311, 325, 339, 350, 374, 377
<223> n = A,T,C or G

```

```

<400> 871
tttttttttt tttnnttttt ttttttnaaa gattcacttt atttattcat tctcctccaa 60
cattagcata attaaagcca aggaggagga gggggggtga ggtgaaanat ganctggagg 120
accgcaatga gggtaggtcc cctgtggaaa aagggtcana ggccaaagga tgggaggggg 180
tcaggctgga actgagganc aggtgggggc acttntccct ntaacactnt cccctgttga 240
agctntttgt gacgggcnan ctcaggccct gatggngac ttncaggcg tanactttgt 300
gtttctcgna ntctgctttg ctcancgtca ggggtgctgnt gaggctgtan ggtgctgtcc 360
ttgctgtcct gctntgngac actct                                     385

```

```

<210> 872
<211> 184
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 17
<223> n = A,T,C or G

```

```

<400> 872
cttccttcgg totttantat ttttgattgt tatgtaaaac tcgcttttat tttaatattg 60
atgtcagtat ttcaactgct gtaaaattat aaacttttat acttgggtaa gtccccagg 120
ggcgagttcc tcgctctggg atgcaggcat gcttctcacc gtgcagagct gcacttggcc 180
tcag                                     184

```

<210> 873
 <211> 397
 <212> DNA
 <213> Homo sapiens

<400> 873
 ctgtgggctc tgaatggcgt ccctttggct atccacgccg ccggcgacca ctgaattctg 60
 tggttctaca acagggctctg gctgaccgaa ttgtcagaga cgtccaggaa ttcacgata 120
 accccaagtg gtacactgac agaggcattc cttacagacg tggctacctg ctttatgggc 180
 cccctggttg cggaagagc agttttatca cagccctggc tggggaactg gagcacagca 240
 tctgcctgct gagcctcacg gactccagcc tctctgatga ccgactcaac cacctgctga 300
 gcgtggcccc gcagcagagc ctggtactcc tggaggatgt ggatgctgct tttctcagtc 360
 gagacttggc tgtggagaac ccagtaaagt accaagg 397

<210> 874
 <211> 156
 <212> DNA
 <213> Homo sapiens

<400> 874
 ccagaagaac actatgccat ggttgactg aattttgtgc ctactctagg gcaaacagaa 60
 ttacaatcga aggagttoct atctatctgt aaagaagaga acatgaaatt ctggtggcag 120
 aagcagcatt ttgaagaaat aaaaggttca ctgcag 156

<210> 875
 <211> 512
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 504
 <223> n = A,T,C or G

<400> 875
 ccagcatagc gaaaacttgt ctctactaaa aatacaaaaa ttagtcaggc atgggtgggtgc 60
 acgtctgtaa taccagcttc tcaggaggct gaggcacgag gatcactga acccaggagg 120
 aggaggttgc agtgagctga gatcatgcc a gggcaacaga atgagacttt gtttaaaaaa 180
 aaaaaaagtg acttgattta agggaaaaaa tgactggcta tattcagtca gatatggcaa 240
 agagtctcaa ggtgttaatg tgaatgatta aggtcttggg ggggggtgtcc cctatcagac 300
 tacaggtgtt tagaggcaca gaaaaagggtg cagttggggt cttaatgtga aatgatgaga 360
 agcacaactc cagtgtgtct ctttgtgtag aatgtcagca gacaccccct gctagatgtg 420
 ctggatcatg ggaaagcatt tccatttgtt aatagattgt tcagaagttt taatttatga 480
 tgggtgtggt ggctcatgcc tgnngtccca gc 512

<210> 876
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 876
 cctgtgccgg gccccagggc tggcagccac cagctcctct tccaggcatg ggggacaccc 60
 tgacaggatc cggaagtctc catttaccca aaaatgcaag agccatgatc agtcatggcg 120
 aactgcagg cggtactgag tgacctatgc cagtcagggt ccgtccctcc cacacggggg 180

acaagcttct ccgaggagg

199

<210> 877

<211> 486

<212> DNA

<213> Homo sapiens

<400> 877

```

cgcggtgtgct gctcccttct gccaggagcc cactgctttt gcacacaagc tgcattttgc 60
gcattgactc aggtcccagt tgctcttcat atctccgtga atgattggag tgcaaagata 120
ctgttctgag cgcttcccgt tttctgaaag ccatgtctct caggcatgcc tcgcttagtt 180
ggcgatgggg ttggttgact gttttcgctt ttttcttctt ctcttttctt cttcttcttc 240
tttttttttc ttttcctttt ctccccctcc caacgccact gacaagaaag cactaaagat 300
gcagggttggt cgatcacctt ataacataag gaaaagaaca ggagagggtta atttgaacgt 360
gtaggctagt ggttagaggga gatggagggtc tggggaaaga gtctgtcagg tagacatctc 420
ttttaacatg tcccagtatt cggttcacca gtatctctgc acctcactac tacccttcac 480
tccttg

```

<210> 878

<211> 363

<212> DNA

<213> Homo sapiens

<400> 878

```

cctgggcccg ctgacttcag ggtgaggcca cagctactgc agcgcttttt atttatttat 60
ttactgagat ggagtcttgc tctgtcaccc aggtctggagt gcagtgggtgc aatctcggct 120
cactgcaacc tctgcctcct gggtgcagt gattctcctg cgttcaagta attctcctgc 180
ctcggccttc tgagtagttg ggattacagg catatgccac cacacttggc taatttttgt 240
atttttagta gaaatggggt ttcaccatgt tggcgaggct ggtctcgaac tctgacctc 300
aaggatcctc ctgcctcggc ctctaagggt gctgggattg caggtgtgag ccaccacgtc 360
tgg

```

<210> 879

<211> 365

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 357

<223> n = A,T,C or G

<400> 879

```

gcccattgcca gcgtgtgggtc agcaacgcaca acttgtgggt gctgtccttc ctgaggaggt 60
ggaatgggag cacagccatc acagacgata ccctgggtgg cactctcacc attacgctgc 120
ggaatctaca accccatgat gcgggtctct accagtgcc gagcctccat ggcagtgagg 180
ctgacaccct caggaagggtc ctggtggagg tgctggcaga cccctggat caccggaatg 240
ctggagatct ctggttcccc ggggaggtct agagcttcga ggatgccc atggagcaca 300
gcatctccag gagcctcttg gaaggagaaa tccccctccc acccacttcc atccttntcc 360
tcctg

```

<210> 880

<211> 431

<212> DNA

T00254.T00254


```
<210> 892
<211> 472
<212> DNA
<213> Homo sapiens
```

<220>
 <221> misc_feature
 <222> 85, 169, 171, 181, 201
 <223> n = A,T,C or G

<400> 892
 tttttttttt tttttttttt ttaattacta cctttttattc taatgtgaac catggccctg 60
 aaagctgata acaagcttgg ctgancagag ggaactaggg gtcggcagaa aggattatgg 120
 gtggaaaaca ttggctcttc cttggggagt gatgctgggg aaaggggaana nagtggtc 180
 ncctgcaggt aaataggcta naaaagccaa ggccaaaggc tggaggggag aggacagtca 240
 gcatgtccag cctgggggtct ggggtgtaggg ttatcccttc tcctgtgcc ttcccatctc 300
 gtccatgagc ctaggtcttg gagccttggt ttggaggctg ctgtgatgtc aggaacgggg 360
 atctgtctag cttttggcca cttcctggga cctcacgccc ctgttgacag atggagattg 420
 ggcagcaggg ccttgctgcg ttgttatctg ctgttccgac ttggtttgc tt 472

<210> 893
 <211> 477
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 436, 447, 449
 <223> n = A,T,C or G

<400> 893
 caaagattca ctttatttat tcattctcct ccaacattag cataattaaa gccaaggagg 60
 aggagggggg tgaggtgaaa gatgagctgg aggaccgcaa taggggtagg tcccctgtgg 120
 aaaaagggtc agaggccaaa ggatgggagg gggtcaggct ggaactgagg agcagggtgg 180
 ggcacttctc cctctaacac tctcccctgt tgaagctctt tgtgacgggc gagctcaggc 240
 cctgatgggt gacttcgcag gcgtagactt tgtgtttctc gtagtctgct ttgctcagcg 300
 tcagggtgct gctgaggctg taggtgctgt ccttgctgtc ctgctctgtg acactctcct 360
 gggagttacc cgattggagg gcgttatcca ccttccactg tactttggcc tctctgggat 420
 agaagttatt cagcangcac acaacanang cagtttccag atttcaactg ctcatca 477

<210> 894
 <211> 289
 <212> DNA
 <213> Homo sapiens

<400> 894
 ctgtcttatg gctatgatga gaaatcaacc ggaggaattt ccgtgcctgg ccccatgggt 60
 ccctctggct ctcgtggtct ccctggcccc cctgggtgcac ctggtcccca aggcttccaa 120
 ggtccccctg gtgagcctgg cgagcctgga gcttcaggct ccatgggtcc ccgagggtccc 180
 ccagggtccc ctggaagaa tggagatgat ggggaagctg gaaaacctgg tcgtcctgggt 240
 gagcgtgggc ctcttgggcc tcagagtgtc cgaggattgc ccggaacag 289

<210> 895
 <211> 179
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> 14
 <223> n = A,T,C or G

<400> 895
 ctggatgggt ccanacaaag tggaatccct ggaaccttta actgagcagt gaaggtcagt 60
 gcctcagagc ctgagagatg aacaggacca gagagagagg tgggcaggca ggcacaaggt 120
 tatgtcttcc tcagactcgg aaccctgctc ttctccacca tccagacgtt cagctacag 179

<210> 896
 <211> 557
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 367
 <223> n = A,T,C or G

<400> 896
 ccactcactg ctgggaccca ggcacctccc ttctccatcc tctctggatt gtcagtaatg 60
 tcctggaaca gaagcctgtg ggatggcctt gggcacggag aagccctggg gtcagtgtcg 120
 tgcacggatg gcggcagtgt tgaaccagg aggctgaacc cggcccacca cggaagatga 180
 gtgcatggca accgcctgcc ttcacgtcgc tccacttggg aaccccaagg tctgggctgt 240
 tctaggtatt gcttcacgtg ccccagcaag cccttaacaa gagggcctgg ttccctgaag 300
 aaccaatccc aggaaggggc cttgatccct ccgccttgct gagagtgaac cctcgtctct 360
 cctcacnctc catttcattt ctgggaattg gggcttagtt tcgaaccttt ggcaaggctg 420
 ttcttactaa tgcccaagcc cctttacccc tctccctata gggtacacag gggagaccag 480
 ggccctcggca gaagactgct gccacacttc cgaatcattc tgcttgccaa atagggtcatc 540
 ttcaccagtt gactgac 557

<210> 897
 <211> 495
 <212> DNA
 <213> Homo sapiens

<400> 897
 ctggaatctc ctttgcaatc ccactctgata agattaaaaa gttcctcacg gagtcccatg 60
 accgacaggc caaaggaaga gccatcacca agaagaagta tattggtatc cgaatgatgt 120
 cactcacgtc cagcaaagcc aaagagctga aggaccggca ccgggacttc ccagacgtga 180
 tctcaggagc gtatataatt gaagtaattc ctgatacccc agcagaagct ggtggtctca 240
 aggaaaacga cgtcataatc agcatcaatg gacagtccgt ggtctccgcc aatgatgtca 300
 gcgacgtcat taaaaggga agcacccctga acatggtggt ccgcaggggt aatgaagata 360
 tcatgatcac agtgattccc gaagaaattg acccataggc agaggcatga gctggacttc 420
 atgtttccct caaagactct cccgtggatg acggatgagg actctgggct gctggaatag 480
 gacactcaag acttt 495

<210> 898
 <211> 406
 <212> DNA
 <213> Homo sapiens

<400> 898
 ccacgactgc atgcccgcgc ccgccagggtg atacctccgc cggtgaccca ggggctctgc 60

gacacagggga gtctgcatgt ctaagtgcta gacatgctca gctttgtgga tacgaggact 120
 ttgttgctgc ttgcagtaac cttatgccta gcaacatgcc aatctttaca agaggaaacc 180
 gtaagaaagg gccagccgg agatagagga ccacgtggag aaaggggtcc accaggcccc 240
 ccaggcagag atgggtgaaga tggccccaca ggccctcctg gtccacctgg tcctcctggc 300
 cccctggtc tcggtgggaa ctttgctgct cagtatgacg gaaaaggagt tggacttggc 360
 cccggacca tgggcttaat gggacctaga ggcccacctg gtgcag 406

<210> 899
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 899
 cctaagagtc attaaaaaat tctccctttg taacctcagt gctggggact gagggcagcc 60
 ccctcaggtc gctggagtgc accagtcttg gggaagaggt gcaggagaag ctgtgttttt 120
 tatctccaca cgcagtatga agataaaatt acatagtatt acctagacat agacagtatt 180
 acctaggtag atgcactgct cacctgcacc cttcccagct ctcatttttg ttaggtgatt 240
 tgggataggg atagtgtttt ggggtatggg gggagtg 277

<210> 900
 <211> 389
 <212> DNA
 <213> Homo sapiens

<400> 900
 ctgttttgaa atatttactg ttattaaaaac ttgcttcaag ggaaattgtg aatatatttc 60
 catatacaag cactagtaac agtaagtggc cctgtcatcc actaactcag gcaaagtaaa 120
 gaatggcatt tttgaaggac attttacctc cccatatgat ttgattggct aggactttct 180
 tctgtaaaagt catacctttt cacatcttaa gtttttacat ttgccatttt ccaaattc 240
 attttgggca agaacgatat agtcacaact atggggctgc tttcaaaagc ggggctccat 300
 ttctactgtc agatcaatgt ggtgctgtaa ccactttttt atccctacct tcaagaacct 360
 ccttatatga agcctgtctt tatccatca 389

<210> 901
 <211> 453
 <212> DNA
 <213> Homo sapiens

<400> 901
 ctggagacac ccacttgggt ggagaagatt ttgacaaccg aatgggtcaac cattttattg 60
 ctgagtttaa gcgcaagcat aagaaggaca tcagtggaga caagagagct gtaagacgcc 120
 tccgtactgc ttgtgaacgt gctaagcgta ccctctcttc cagcaccag gccagtattg 180
 agatcgattc tctctatgaa ggaatcgact tctatacctc cattaccgt gccgatttg 240
 aagaactgaa tgctgacctg ttccgtggca ccctggaccc agtagagaaa gcccttcgag 300
 atgccaaact agacaagtca cagattcatg atattgtcct ggttgggtgt tctactcgta 360
 tcccgaagat tcagaagctt ctccaagact tcttcaatgg aaaagaactg aataagagca 420
 tcaaccctga tgaagctgtt gcttatggtg cag 453

<210> 902
 <211> 293
 <212> DNA
 <213> Homo sapiens

<400> 902

```

cctccggccg cccccacggc tcccatggcc ttttccctgog ctaccgtgtg gaggccctaa 60
ccctgcgtgg catcaatagc ttccgccagt acaagtatga cctgggtggca gtgggcaagg 120
ctttggaggg catgttccgc aagctcaacc acctcctgga gcgcctgcac cagtccttct 180
tcctctactt gctccccggc ctctcccgtc tcgtctccat tggcctctac atgcccgtg 240
tcggcttctt gctcctggtc cttggtctca aggctctgga actgtggatg cag 293

```

```

<210> 903
<211> 228
<212> DNA
<213> Homo sapiens

```

```

<400> 903
ctggagactc tgggccagga gaagctgaag ctggaggcgg agcttggcaa catgcagggg 60
ctggtggagg acttcaagaa caagtatgag gatgagatca ataagcgtac agagatggag 120
aacgaatttg tcctcatcaa gaaggatgtg gatgaagctt acatgaacaa ggtagagctg 180
gagtctcgcc tggaagggct gaccgacgag atcaacttcc tcaggcag 228

```

```

<210> 904
<211> 388
<212> DNA
<213> Homo sapiens

```

```

<400> 904
ccaagcgctc agatcggcaa ggggcaccag tcttgatctg cccagtgcac agccccacaa 60
ccaggtcagc gatgaaggta tcttcagtct cccccgaacg atgaggcacc atgacgcccc 120
aaccattggc ctggggccagc ttgcacgcct gaagagactc ggtcacggag ccaatctggt 180
tgactttgag caggaggcag ttgcaggact tctcgttcac ggccttggcg atcctctttg 240
ggttggtcac tgtgagatca tccccacta cctggattcc tgcactggct gtgaacttct 300
gccaagctcc ccagtcatcc tgggtcaaag gatcttcgat agacaccact gggtagtcct 360
tgatgaagga cttgtacagg tcagccag 388

```

```

<210> 905
<211> 272
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 14
<223> n = A,T,C or G

```

```

<400> 905
ccggagccca cggnggtcat ggctgccaga gcgctctgca tgctggggct ggtcctggcc 60
ttgctgtcct ccagctctgc tgaggagtac gtgggcctgt ctgcaaacca gtgtgccgtg 120
ccagccaagg acagggtgga ctgcggctac ccccatgtca ccccaagga gtgcaacaac 180
cggggctgct gctttgactc caggatccct ggagtgcctt ggtgtttcaa gcccctgcag 240
gaagcagaat gcaccttctg aggcacctcc ag 272

```

```

<210> 906
<211> 525
<212> DNA
<213> Homo sapiens

```

```

<400> 906

```